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University Of Southern Mississippi

BULLETIN 1971 · 1972

ACCREDITED BY:

SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS

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NATIONAL COUNCIL FOR ACCREDITATION OF TEACHER EDUCATION

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COUNCIL OF GRADUATE SCHOOLS IN THE UNITED STATES

MISSISSIPPI ASSOCIATION OF COLLEGES

University of Southern Mississippi

Bulletin

GENERAL CATALOG ISSUE

UNDERGRADUATE PROGRAMS

ANNOUNCEMENTS

1971-1972

FALL QUARTER OPENS SEPTEMBER 6, 1971

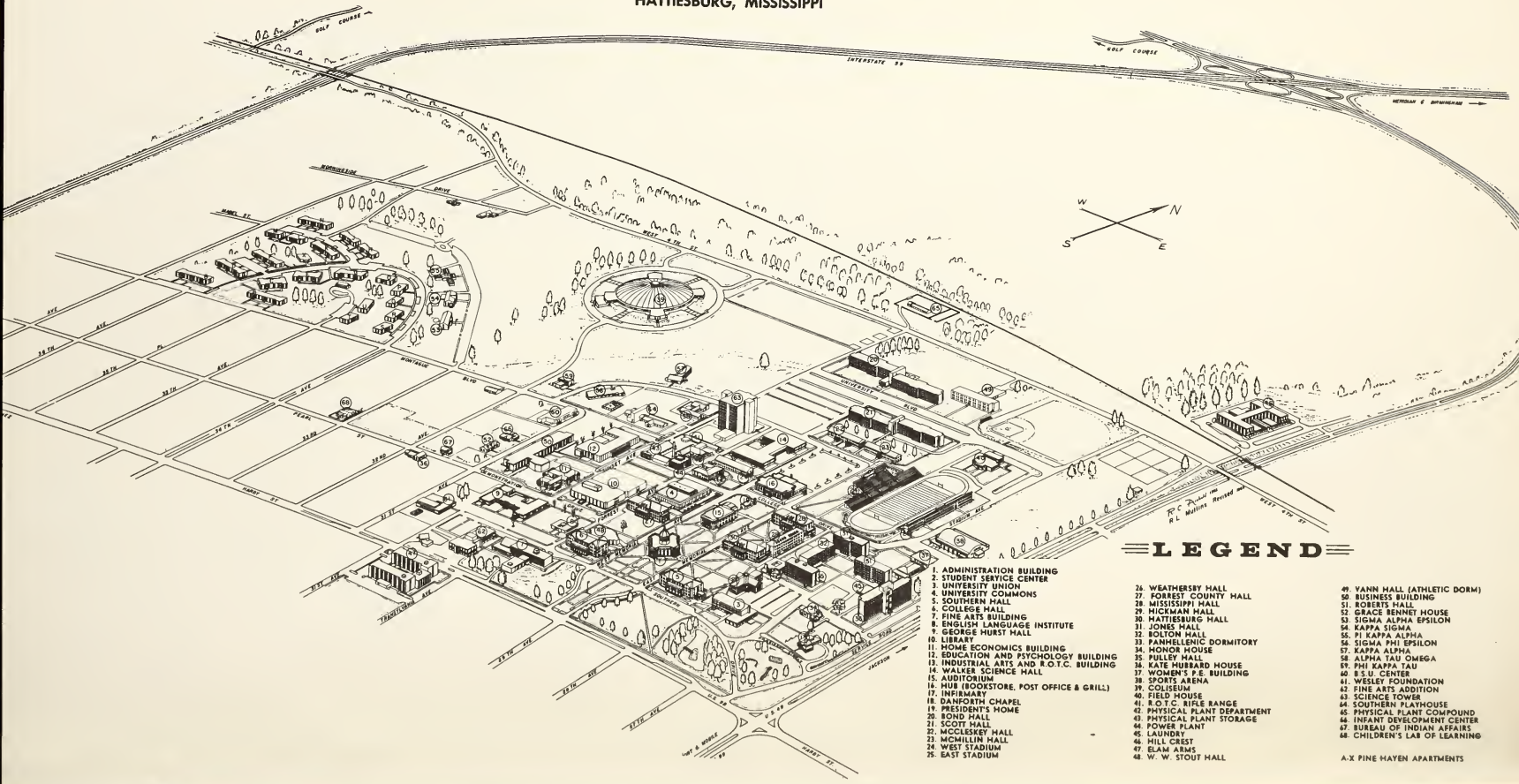
Published quarterly by the University of Southern Mississippi, Hattiesburg, Mississippi 39401

Entered as second-class matter February 19, 1917, at the post office at Hattiesburg, Mississippi, under act of August 24, 1912.

VOLUME 58 (Published April 1, 1971) NUMBER 4

UNIVERSITY OF SOUTHERN MISSISSIPPI

HATTIESBURG, MISSISSIPPI



LEGEND

1. ADMINISTRATION BUILDING
2. STUDENT SERVICE CENTER
3. UNIVERSITY UNION
4. UNIVERSITY COMMONS
5. SOUTHERN HALL
6. COLLEGE HALL
7. FINE ARTS BUILDING
8. ENGLISH LANGUAGE INSTITUTE
9. GEORGE HURST HALL
10. LIBRARY
11. HOME ECONOMICS BUILDING
12. EDUCATION AND PSYCHOLOGY BUILDING
13. INDUSTRIAL ARTS AND R.O.T.C. BUILDING
14. WALKER SCIENCE HALL
15. AUDITORIUM
16. HUB (BOOKSTORE, POST OFFICE & GRILL)
17. INFIRMARY
18. DANFORTH CHAPEL
19. PRESIDENT'S HOME
20. BOND HALL
21. SCOTT HALL
22. MCCLESKEY HALL
23. MCMILLIN HALL
24. WEST STADIUM
25. EAST STADIUM
26. WEATHERSBY HALL
27. FORREST COUNTY HALL
28. MISSISSIPPI HALL
29. HICKMAN HALL
30. HATTIESBURG HALL
31. JONES HALL
32. BOLTON HALL
33. PANHELLENIC DORMITORY
34. HONOR HOUSE
35. PULLEY HALL
36. KATE HUBBARD HOUSE
37. WOMEN'S P.E. BUILDING
38. SPORTS ARENA
39. COLISEUM
40. FIELD HOUSE
41. R.O.T.C. RIFLE RANGE
42. PHYSICAL PLANT DEPARTMENT
43. PHYSICAL PLANT STORAGE
44. POWER PLANT
45. LAUNDRY
46. HILL CREST
47. ELAM ARMS
48. W. W. STOUT HALL
49. VANN HALL (ATHLETIC DORM)
50. BUSINESS BUILDING
51. ROBERTS HALL
52. GRACE BENNET HOUSE
53. SIGMA ALPHA EPSILON
54. KAPPA SIGMA
55. PI KAPPA ALPHA
56. SIGMA PHI EPSILON
57. KAPPA ALPHA
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59. PHI KAPPA TAU
60. B.S.U. CENTER
61. WESLEY FOUNDATION
62. FINE ARTS ADDITION
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65. PHYSICAL PLANT COMPOUND
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67. BUREAU OF INDIAN AFFAIRS
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A-X PINE HAVEN APARTMENTS

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CALENDAR

UNIVERSITY OF SOUTHERN MISSISSIPPI
GENERAL CALENDAR 1971-1972

FALL QUARTER — 1971

Friday, August 20, 1971
Deadline for making application for admission

Saturday through Friday, August 28—September 3
Formal rush—Sororities

Monday through Friday, August 30—September 3
Formal rush—Fraternities

Thursday and Friday, September 2 and 3
Various pre-quarter faculty and departmental meetings. (faculty on duty)

Sunday, September 5
Dormitories open

Monday and Tuesday, September 6 and 7
Orientation for freshman and transfer students

Tuesday, September 7
4:00— 8:00 P.M. Registration for night and graduate courses

Wednesday, September 8
Registration by appointment
6:30— 8:00 P.M. Monday night classes meet (this week only)
8:30—10:00 P.M. Wednesday night classes meet (this week only)

Thursday, September 9
Continuation of registration by appointment
Last day to register without late registration fee
6:30— 8:00 P.M. Tuesday night classes meet (this week only)
8:30—10:00 P.M. Thursday night classes meet (this week only)

Friday, September 10
8:00 A.M. Classes meet on schedule
8:00 A.M. Fee for adding and dropping courses becomes effective

Friday, September 17
Last day for registering or adding full term Fall Quarter courses

Friday, October 8
Last day for dropping courses without academic penalty

Monday, October 18
Beginning of second term of Fall Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Thursday, October 21
English Proficiency Test

Saturday, October 23
Graduate Record Examinations

Saturday, November 6
Admission Test for Graduate Study in Business

Friday, November 12
Last day of regularly scheduled classes

Saturday, November 13
National Teacher Examinations

Monday, November 15
Study period for examinations

Tuesday, Wednesday, Thursday, Friday, November 16, 17, 18, 19
Fall Quarter Examinations

1971

JANUARY

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WINTER QUARTER — 1971-1972

Tuesday, November 9, 1971
Deadline for making application for admission for the Winter Quarter

Monday, November 29
5:00 P.M. Registration for night and graduate courses

Tuesday, November 30
Registration by appointment

Wednesday, December 1
Continuation of registration by appointment
Last day of registration without late fee
6:30— 8:00 P.M. Monday night classes meet (this week only)
8:30—10:00 P.M. Wednesday night classes meet (this week only)

Thursday, December 2
8:00 A.M. Classes meet on schedule
8:00 A.M. Fee for adding and dropping courses becomes effective
6:30— 8:00 P.M. Tuesday night classes meet (this week only)
8:30—10:00 P.M. Thursday night classes meet (this week only)

Thursday, December 9
Last day for registering or adding full term Winter Quarter courses

Saturday, December 11
Graduate Record Examinations

Friday, December 17
6:00 P.M. Christmas holidays begin

Monday, January 3, 1972
8:00 A.M. Class work resumes

Thursday, January 13
Last day for dropping courses without academic penalty

Saturday, January 15
Graduate Record Examinations

Tuesday, January 18
Beginning of second term of Winter Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Thursday, January 27
English Proficiency Test

Saturday, January 29
National Teacher Examinations

Saturday, February 5
Admission Test for Graduate Study in Business

Friday, February 18
Last day of regularly scheduled classes

Monday, February 21
Study period for examinations

Tuesday, Wednesday, Thursday, Friday, February 22, 23, 24, 25
Winter Quarter Examinations

Friday, February 25
Last day to file application for May graduation

SPRING QUARTER — 1972

Tuesday, February 15, 1972
Deadline for making application for admission for the Spring Quarter

Monday, March 6
5:00 P.M. Registration for night and graduate courses

Tuesday, March 7
Registration by appointment

Wednesday, March 8
Continuation of registration by appointment
Last day to register without late fee
6:30— 8:00 P.M. Monday night classes meet (this week only)
8:30—10:00 P.M. Wednesday night classes meet (this week only)

Thursday, March 9
8:00 A.M. Classes meet on schedule
8:00 A.M. Fee for adding and dropping courses becomes effective
6:30— 8:00 P.M. Tuesday night classes meet (this week only)
8:30—10:00 P.M. Thursday night classes meet (this week only)

Thursday, March 16
Last day for registering or adding full term Spring Quarter courses

Thursday, March 30
University of Southern Mississippi Day
6:00 P.M. Easter holidays begin (Thursday night classes will meet)

Tuesday, April 4
8:00 A.M. Class work resumes

Thursday, April 6
Last day for dropping courses without academic penalty

Saturday, April 8
National Teacher Examinations
Admission Test for Graduate Study in Business (tentative)

Wednesday, April 12
Beginning of second term of Spring Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Thursday, April 20
English Proficiency Test

Saturday, April 22
Graduate Record Examinations

Friday, May 12
Last day of regularly scheduled classes

Monday, May 15
Study period for examinations

Tuesday, Wednesday, Thursday, Friday, May 16, 17, 18, 19
Spring Quarter Examinations

Saturday, May 20
7:30 P.M. Graduation Exercises
Last day to file application for August graduation

SUMMER QUARTER — 1972

Tuesday, May 16, 1972
Deadline for making application for admission for the Summer Quarter

Monday, June 5
8:00 A.M. Orientation for freshman and transfer students
5:00 P.M. Registration for night and graduate courses

Tuesday, June 6
8:00 A.M. Registration by appointment
Only day to register for full quarter or first term courses without late fee

Wednesday, June 7
8:00 A.M. Classes meet on schedule
8:00 A.M. Fee for adding and dropping courses becomes effective
6:30— 8:00 P.M. Monday night classes meet (this week only)
8:30—10:00 P.M. Wednesday night classes meet (this week only)

Thursday, June 8
6:30— 8:00 P.M. Tuesday night classes meet (this week only)
8:30—10:00 P.M. Thursday night classes meet (this week only)

Friday, June 9
Last day for registering or adding first term courses

Wednesday, June 14
Last day for registering or adding full quarter courses
Last day for dropping first term courses

Saturday, June 17
Graduate Record Examinations

Friday, June 23
Last day for dropping full quarter courses without academic penalty
Deadline for making application for admission for the second term of the Summer Quarter

Saturday, June 24
Admission Test for Graduate Study in Business

Friday, July 7
First term examinations

Monday, July 10
8:00 A.M. Registration for second term of Summer Quarter
Second term courses may be added without change of schedule fee
Deadline for submitting applications to School of Nursing

Wednesday, July 12
Last day for registering or adding second term courses

Thursday, July 13
English Proficiency Test

Saturday, July 15
National Teacher Examinations

Monday, July 17
Last day for dropping second term courses

Friday, August 4
Last day of regularly scheduled classes

Monday, August 7
Study period for examinations

Tuesday, Wednesday, Thursday, Friday, August 8, 9, 10, 11
Summer Quarter Examinations

Saturday, August 12
7:30 P.M. Graduation Exercises

ADMINISTRATION, FACULTY, AND STAFF

General Administration

Board of Trustees

Administrative Officers

Faculty Committees

Faculty Emeriti

Faculty

Staff

GENERAL ADMINISTRATION

BOARD OF TRUSTEES

Of State Institutions of Higher Learning, State of Mississippi

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BOSWELL STEVENS, First Congressional District, Macon

DR. R. C. COOK, State-at-Large, Hattiesburg

W. M. SHOEMAKER, Fifth Congressional District, Meridian

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M. PAUL HAYNES, Northern Supreme Court District, Baldwyn

THOMAS N. TURNER, Third Congressional District, Belzoni

IRA L. MORGAN, Second Congressional District, Oxford

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H. HENRY HEDERMAN, State-at-Large, Jackson

DR. M. M. ROBERTS, Sixth Congressional District, Hattiesburg

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LEON LOWREY, La Bauve Trustee (Desoto County), Olive Branch

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[2]W. O. STONE, Chairman

DR. E. E. THRASH, Executive Secretary and Director

1. Deceased, December 11, 1970

2. Effective, December 17, 1970

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PAULINE ROGERS STOUT, B.A., M.A. .... Research and Editorial Assistant to the President
CHARLES WICKLIFFE MOORMAN, A.B., M.A., Ph.D. .....Dean of the University
JACK ALAN SMITH, B. S., M.A., Ph.D. ..... Administrative Assistant to the Dean
AUBREY KEITH LUCAS, B.S., M.A., Ph.D. ....Dean of the Graduate School
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CLAUDE EDWIN FIKE, A.B., A.M., Ph.D. .....Dean of the College of Liberal Arts
JOSEPH ARTHUR GREENE, JR., A.B., M.A., Ph.D. ....Dean of the School of Business Administration
RAYMOND MANNONI, B.S., B.M., M.M.Ed., Ed.D. .....Dean of the School of Fine Arts
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FLORA LEE BAIN, B.S.N., M.A. .....Acting Dean of the School of Nursing
ROBERT THOMAS van ALLER, B.S., M.S., Ph.D. ..... Dean of the College of Science
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PETER EASTON DURKEE, B.A., M.A., Ph.D. .....Dean of Student Affairs
[2]HERBERT EUGENE LUCY, B.A., M.Ed., Ed.D. .....Director of Student Counseling
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1. On Leave, 1970-1971
2. On Leave, Winter and Spring

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ADMISSIONS & CREDITS (Undergraduate): Saucier, Bain, D. Echols, Fike, Grantham, Greene, Gunn, Langdon, Mannoni, McMillen, Moorman, Schmidt, van Aller, Weaver. Students: Diane Bostwick, Melvin Miller.

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ALLIED HEALTH PROFESSIONS: Brundage, Bain, C. Brent, Cliburn, Hesson, Martin, Stocks, van Aller, Walker, Weaver.

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STUDENT AID & SCHOLARSHIPS: Durkee, Conn, D. Echols, Jaeger, Gen. Johnson, Langdon, Ogletree. Students: Marla Miller, Michael Chance.

STUDENT SOCIAL LIFE: Kirkpatrick, Amacker, J. Brechtel, D. Echols, Grantham. Students: President Panhellenic Council, President Interfraternity Council, 1st and 2nd Vice Presidents and Social Chairman of Student Government Association, Chairman University Union Activities Committee.

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UNIVERSITY UNION: Durkee, D. Echols, Grantham, Hartwig, Kirkpatrick, Nesbitt, Ogletree. Students: President Interfraternity Council, President Panhellenic Council, 1st and 2nd Vice Presidents Student Government Association.

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UNIVERSITY & COLLEGE PRESS COMMITTEE: Gonzales, W. Hatcher, J. A. Smith.

*The President of the University is ex-officio member of all committees. The person named first on each committee is chairman of the committee.

INSTRUCTIONAL AND ADMINISTRATIVE STAFFS

FACULTY

FACULTY EMERITI

DR. JAMES EDWARD BAXTER, Associate Professor Emeritus of Education
MRS. MARY POE BAYLIS, Associate Professor Emerita of Music
DR. ROY GILBERT BIGELOW, Dean Emeritus of the College of Education and Psychology
MISS HAZEL MARIE BLACK, Assistant Professor Emerita of Education
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MRS. MINNIE BELLE FORD, Assistant Professor Emerita of Education
MR. JOHN MARTIN FRAZIER, Associate Professor Emeritus of Science Education
DR. BERTHA MAUDE FRITZSCHE, Dean Emerita of the School of Home Economics
DR. LENA YARBROUGH GOUGH, Professor Emerita of Psychology
MISS ALMA HICKMAN, Professor Emerita of English
MISS WILLERY HARRIETTE JACKSON, Associate Professor Emerita of History
MRS. NETTA McKEITHEN JENKINS, Assistant Professor Emerita of Latin American Studies
MRS. SARAH STEVENSON JOHNSON, Associate Professor Emerita of Foreign Languages
MR. JOHN MICHAEL KING, Associate Professor Emeritus of Education
DR. CHARLES ELMER LANE, JR., Professor Emeritus of Chemistry
DR. JAMES SCOTT LONG, Research Professor Emeritus
DR. ROSEWELL GRAVES LOWREY, Professor Emeritus of English
MISS HELEN JANET McDONALD, Associate Professor Emerita of Music
MRS. SALLIE STEVENS McLEMORE, Assistant Professor Emerita of Education
[1]DR. CARLTON LAMAR McQUAGGE, Professor Emeritus of Administrative Personnel and Services
DR. CARL RAY NEWSOM, Associate Professor Emeritus of Chemistry
DR. GEORGE WILSON NICHOLSON, Professor Emeritus of Mathematics
MISS FRANCES ELIZABETH RECK, Associate Professor Emerita of Business Education
MISS ANNA MARGARET ROBERTS, Librarian Emerita
MRS. MAUDE ANDERSON SMITH, Librarian II Emerita
MISS AMELIA CECILE THOMPSON, Assistant Professor Emerita of Home Economics
MR. BENJAMIN ORMOND VAN HOOK, Professor Emeritus of Mathematics
MISS ELIZABETH VARDAMAN, Librarian II Emerita
MR. FERDINAND ARMIN VARRELMAN, Professor Emeritus of Biology
MISS ALLIE MARGUERITE WEBB, Associate Professor Emerita of English
MRS. ANNETTE BEDFORD WILDER, Librarian III Emerita

1. Deceased Nov. 13, 1970

THE FACULTY

WILLIAM DAVID McCAIN, B.S., M.A., Ph.D., Litt.D. .....President of the University
B.S., Delta State College; M.A, University of Mississippi; Ph.D., Duke University; Litt.D., Mississippi College.

JOAN RACHEL MARGARET AINSWORTH, B.A. .....Instructor of Nursing, Natchez Resident Center
B.A., Sir George Williams University.

[1]LAWRENCE CHARLES ALBERS, B.G.E., M.A. .....Assistant Professor of Communication
B.G.E., University of Omaha; M.A., University of Southern California.

JOHN DOUGLAS ALCORN, B.S., M.Ed., Ph.D. .....Chairman of Department of Guidance and Professor of Guidance
B.S., M.Ed., Ph.D., East Texas State University.

PAUL DAVID ANDERSEN, B.Mus., M.Mus., Ph.D. .....Associate Professor of Music
B.Mus., Drake University; M.Mus., Syracuse University; Ph.D., Washington University.

BOBBY DEAN ANDERSON, B.S.E., M.Ed., Ed.D. .....Associate Professor of Educational Administration
B.S.E., Arkansas State College; M.Ed., University of Missouri; Ed.D. University of Tennessee.

HAYWARD GLENN ANDERSON, B.S., M.A., C.P.A.....Associate Professor of Accounting
B.S., M.A., University of Southern Mississippi; graduate study, University of Alabama.

[4]JANE RYON ANDERSON, A.B., M.A. .....Assistant Professor of English
A.B., Randolph Macon Woman's College; M.A., University of South Carolina.

WILLIAM HILTON ANDERSON, A.B., M.A., Ph.D. .....Associate Professor of English
A.B., Wofford College; M.A., Ph.D., University of South Carolina.

ELIZABETH LOWE ANGLIN, B.A., M.A. ....Part-time Instructor of Foreign Languages
B.A., University of Colorado; M.A., University of California at Santa Barbara.

JAY PASCAL ANGLIN, B.A., Ph.D. .....Associate Professor of History
B.A., Louisiana State University; Ph.D., University of California at Los Angeles.

FERMIN HUMBERTO ARRIETA, LL.D., M.L.S. ..Librarian II, Social Science
LL.D., Havana University; M.L.S., Louisiana State University.

GROVER CLEVELAND ASHLEY, JR., B.S., M.S. ...Administrative Librarian
B.S., Arkansas State College; M.S., University of Southern Mississippi.

GARY MICHAEL ATKINSON, A.B., Ph.D. .....Assistant Professor of Religion and Philosophy
A.B., College of Holy Cross; Ph.D., Duke University.

WAYNE LOUIS BABIN, B.S., M.S., Ed.D. .....Chairman of Department of Physical Education and Associate Professor of Health and Physical Education
B.S., M.S., Ed.D., University of Southern Mississippi.

HOWARD WILSON BAHR, A.B., Ph.D. .....Professor of English
A.B., Oberlin College; graduate study, The Ohio State University, Oberlin College; Ph.D., University of North Carolina.

FLORA LEE BAIN, B.S.N., M.A. .....Acting Dean of School of Nursing, Assistant Professor of Nursing, and Director of Continuing Education in Nursing
B.S.N., University of Mississippi; M.A., George Peabody College for Teachers.

NANCY LORENE BAKER, B.A., M.S.W., C.S.W. .....Associate Professor of Psychology
B.A., Texas College of Arts and Industries; M.S.W., C.S.W., Louisiana State University.

MABEL MAE BALDWIN, B.S. in Ed., M.A., ...Associate Professor of Business Education
B.S. in Ed., Central Missouri State College; M.A., University of Iowa; graduate study, Columbia University.

[2]MODENA MARTIN BALDWIN, B.A., M.S. .....Part-time Instructor of Mathematics
B.A., University of Mississippi; M.S., University of Southern Mississippi.

CORA ELIZABETH SUITS BALMAT, B.S.N., M.S.N. ....Assistant Professor of Nursing
B.S.N., Louisiana State University in New Orleans; M.S.N., University of California at San Francisco.

DORIS WHITEHEAD BARRETT, B.S. .....Instructor in Microbiology
B.S., Mississippi State University.

[3]LUCY SHARP BATES, B.S.N. .....Instructor of Nursing
B.S.N., University of Mississippi.

[9]TOMMY ALLEN BAUCUM, Captain, U.S.A., B.S. .....Assistant Professor of Military Science
B.S., Texas A & M University.

KARLENE K. BECKHAM, B.S., M.Ed. .....Instructor of Speech and Hearing Sciences
B.S., M.Ed., Southwest Texas State University.

ANGELA OWEN BEDENBAUGH, B.S., Ph.D. .....Research Associate in Chemistry
B.S., University of Texas; Ph.D., University of South Carolina.

EDGAR HUGH BEDENBAUGH, JR., B.A., M.Ed., Ed.D. ...Associate Professor of Administrative Personnel and Services
B.A., M.Ed., Ed.D., University of Florida.

JOHN HOLCOMBE BEDENBAUGH, B.S., M.A., Ph.D. .....Chairman of Department of Chemistry and Associate Professor of Chemistry
B.S., Newberry College; M.A., University of North Carolina; Ph.D., University of Texas.

LAWRENCE JOHN BELLIPANNI, B.S., M.S. ..Instructor of Science Education
B.S., M.S., University of Southern Mississippi.

ELIZABETH GUTHRIE BENJAMIN, B.S.N., M.S.N. .....Assistant Professor of Nursing
B.S.N., Northwestern State College; M.S.N., Emory University.

FRANCES ELIZABETH BENNER, B.M., Mus.M. ..Associate Professor of Music
Arthur Jordan Conservatory, Butler University, Soloist Diploma in Piano; Fontainbleau School of Music; B.M., Mus.M. in voice, Cincinnati College of Music.

JOHN CALVIN BERRY, B.S., M.S. ..Instructor of Curriculum and Instruction
B.S., Alcorn A. and M.; M.S., Indiana University.

JAMES BIERMANN, Captain, U.S.A., B.G.S. .....Assistant Professor of Military Science
B.G.S., University of Nebraska at Omaha.

JAMES C. BISHOP, B.A., M.S. .....Director of Communication Services and Assistant Professor of Communication
B.A., University of Mississippi; M.S., University of Southern Mississippi.

HAROLD TYRONE BLACK, B.B.A., M.A., Ph.D. .....Assistant Professor of Economics
B.B.A., M.A., Texas Technological College; Ph.D., Tulane University.

LILLY ANNELLE BONNER, B.S., M.A., Ed.D. .....Chairman of Department of Business Education and Professor of Business Education
B.S., M.A., University of Southern Mississippi; Ed.D., Indiana University.

HERMAN BOROUGHS, B.S., M.Ed., Ed.D. ..... Coordinator of Graduate Studies in Education and Psychology and Professor of Guidance
B.S., Texas College of Arts and Industries; M.Ed., Ed.D., University of Missouri.

LAWRENCE LOUIS BOURGEOIS, A.B., M.A., Ph.D. .....Professor of Sociology
A.B., Loyola University; M.A., Louisiana State University; Ph.D., Harvard University.

VERNON LEE BOUSHELL, B.A., M.M. .....Part-time Instructor of Music
B.A., New York University; M.M., Westminster Choir College.

RICHARD LEE BOWEN, A.B., M.A., Ph.D. ..... Chairman of Department of Geology and Professor of Geology
A.B., University of North Carolina; M.A., Indiana University; Ph.D., University of Melbourne; Fulbright Scholar to Australia.

RICHARD HUGH BOWERS, B.A., M.A., Ph.D. ..... Associate Professor of History
B.A., M.A., Ph.D., Mississippi State University .

CARLOS LARON BOYTE, B.S., M.S. ..... Instructor of Industrial and Technical Education
B.S., M.S., University of Southern Mississippi.

[1]HYLER JEFFERY BRACEY, B.B.A., M.B.A., Ph.D. ..... Associate Professor of Management
B.B.A., Lamar State College of Technology; M.B.A., Ph.D., Louisiana State University.

ROSALIE PARKIN BRAND, B.S., M.S. ..... Librarian II, Cataloger
B.S., M.S., University of Southern Mississippi.

LOUIS KOHL BRANDT, B.E., M.A., Ph.D. ..... Chairman of Department of Finance and Professor of Finance
B.E., Wisconsin State College at Whitewater; M.A., Ph.D., University of Wisconsin.

WILLIAM OSCAR BRANTLEY, B.S., M.Ed. ..... Instructor of Education
B.S., M.Ed., University of Southern Mississippi.

JULIUS CHRISTIAN BRAUN, B.S., Ed.M., Ed.D. ..... Professor of Educational Administration
B.S., Buffalo State Teachers College; Ed.M., University of Buffalo; Ed.D., Columbia University.

JOSEPH BERENGHER BRECHTEL, B.S., M.S. ..... Assistant Dean of Men and Instructor of Physical Education
B.S., M.S., University of Southern Mississippi.

LOIS TRUE BRELAND, B.S., M.S. ..... Assistant Professor of English
B.S., M.S., University of Southern Mississippi.

CHARLES RAY BRENT, B.A., M.S., Ph.D. ..... Professor of Chemistry
B.A., University of Southern Mississippi; M.S., Ph.D., Tulane University.

ROBERT ARTHUR BRENT, A.B., M.A., Ph.D. ..... Professor of History
A.B., Gettysburg College; M.A., Ph.D., University of Virginia.

DORIS ANDERSON BREVARD, B.S., M.A., Ph.D. ..... Assistant Professor of Education
B.S., Livingston State College; M.A., Ph.D., University of Alabama.

BONNIE CARTER BRINEGAR, B.A., M.A. ..... Instructor of English
B.A., M.A., University of Mississippi.

GIPSIE JOY BROOME, B.A., M.Ed. ..... Instructor of Health and Physical Education
B.A., Judson College; M.Ed., University of Southern Mississippi.

BAHNGRELL WALTER BROWN, B.A., M.S., Ph.D. Professor of Geology
B.A., University of Omaha; M.S., Ph.D., University of Nebraska.

FRED WALDO BROWN, B.S., M.A., Ed.D. .... Professor of Science Education
B.S., Georgia Southern; M.A., University of Alabama; Ed.D. University of Georgia.

IVA DINKINS BROWN, B.S., M.Ed., Ed.D. ..... Assistant Professor of Science Education
B.S., Georgia Southern College; M.Ed., Ed.D., University of Georgia.

[1]LARADEANE KOHLS BROWN, A.B., M.A. .. Instructor of Physical Education
A.B., M.A., Morehead State College.

MARIANNE BROWN, B.S., M.A. ..... Assistant Professor of Health and Physical Education
B.S., Delta State College; M.A., University of Southern Mississippi; graduate study, University of Alabama.

MARICE COLLINS BROWN, A.B., M.A., Ph.D. ..... Associate Professor of English
A.B., Mississippi State College for Women; M.A., University of Southern Mississippi; Ph.D., Louisiana State University.

WILLIAM GREGORY BRUNDAGE, B.S., M.S., Ph.D. ....Associate Professor of Microbiology
B.S., M.S. Northwestern State College; Ph.D., Louisiana State University.

GEORGE EDWIN BULLARD, B.S., M.S. ....Assistant Professor of Marketing, Harrison County Resident Center
B.S., University of Arizona; M.S., Mississippi State University.

CORRIE LYNNE BUNCH, B.S., M.A. in L.S. ...Librarian II, Order Librarian
B.S., University of Southern Mississippi; M.A. in L.S., George Peabody College.

JOHN CECIL BURCH, B.A., M.Ed., Ed.D. .....Counselor and Instructor of Mathematics, Keesler Air Force Base and Harrison County Resident Centers
B.A., University of Minnesota; M.Ed., Ed.D., University of Southern Mississippi.

CECIL D. BURGE, B.S., M.S., Ph.D. ..Assistant Professor of Computer Science and Statistics
B.S., M.S., Ph.D., Mississippi State University.

ROBERT LAWRENCE BURNHAM, B.A., M.S. .....Instructor of English, Natchez Resident Center
B.A., M.S., University of Southern Mississippi.

WILLIAM BAXTER BURNS, B.S., M.S. .....Instructor of Industrial and Technical Education
B.S., M.S., University of Southern Mississippi.

ZED HOUSTON BURNS, B.S., M.S., M.A., Ed.D. ....Professor of Educational Psychology, Division of Continuing Education
B.S., in Arch., M.S., Auburn University; M.A., University of Southern Mississippi; Ed.D., University of Cincinnati.

JOHN NEWELL BURRUS, A.B., M.A., Ph.D. .....Distinguished University Professor of Sociology
A.B., University of Mississippi; M.A., Ph.D., Louisiana State University.

HILLMAN HERBERT BUTLER, B.S., M.S. .....Assistant Professor of Mathematics, Harrison County Resident Center
B.S., M.S., University of Southern Mississippi.

OTTAMISE COLLEEN WHITTINGTON CAMERON, B.S., M.S., D.B.A. ..Assistant Professor of Economics
B.S., M.S., University of Southern Mississippi; D.B.A. Indiana University.

BRUCE HENRY CAMPBELL, B.S., M.A., Ph.D. .....Assistant Professor of Chemistry
B.S., University of Kansas; M.A., University of South Dakota; Ph.D. University of Texas.

CLAUDE LOUIS CAMPBELL, B.S., M.A., Ed.D.....Associate Professor of Education
B.S., University of Southern Mississippi; M.A., Ed.D., George Peabody College.

MARY ANN CARMICHAEL, B.S., M.Ed., Ed.S. .....Instructor of Elementary Education
B.S., M.Ed., Ed.S., University of Southern Mississippi.

AUGUST NORBERT CARNOVALE, B.M., M.A. ..Assistant Professor of Music Education
B.M., Louisiana State University; M.A., Columbia University; advanced study, Colorado Western State College, Oklahoma State University.

JAMES RAY CARPENTER, B.S., M.A. ..Golf Coach and Part-time Instructor of Health and Physical Education
B.S., M.A., University of Southern Mississippi.

STANLEY MALCOLM CARPENTER, B.S., M.B.A., C.P.A. Associate Professor of Accounting
B.S., University of Southern Mississippi; M.B.A., doctoral study, University of Georgia.

[1]JOSEPH O. CARSON, JR., B.A., M.A., Ph.D. .....Professor of Educational Administration
B.A., M.A., Tulane University; Ph.D., Florida State University.

DANNY REED CARTER, B.S., M.S. .....Acting Chairman of Department of Computer Science and Statistics and Associate Professor of Computer Science and Statistics
B.S., M.S., University of Southern Mississippi; doctoral study, Virginia Polytechnic Institute.

ORLEY BRANDT CAUDILL, B.S., M.A., Ph.D. .....Associate Professor of Political Science
B.S., M.A., Ph.D., University of Maryland.

JOHN H. M. CHEN, B.S., M.S., M.S. in L.S., M.A., Ed.D. .....Chairman of Department of Library Science and Professor of Library Science
B.S., Kansas University; M.S., Virginia Polytechnic Institute; M.S. in L.S., Columbia University; M.A., New York University; Ed.D., The Pennsylvania State University.

ELSIE BOSCHERT CHICHESTER, B.S., M.S.....Assistant Professor of Home Economics
B.S., Delta State Teachers College; M.S., University of Tennessee.

ORAZIO AUDREA CICCARELLI, B.A., M.A., Ph.D. .....Assistant Professor of History
B.A., Francis College; M.A., Ph.D., University of Florida.

EVELYN HAMILTON CLARK, B.A., M.A. .....Instructor of Communication
B.A., M.A., University of Southern Mississippi.

GUINN LEWIS CLARK, B.S. .....Assistant Professor of Art
B.S., University of Southern Mississippi.

JOSEPH HARDIN CLEMENTS, A.B., M.B.A., Ed.D. .....Professor of Finance
A.B., University of Kentucky; M.B.A., University of Mississippi; Ed.D., University of Oklahoma.

JOSEPH WILLIAM CLIBURN, B.S., M.A., Ph.D.....Professor of Biology
B.S., Millsaps College; M.A., University of Southern Mississippi; Ph.D., University of Alabama.

ROBERT BRADY COCHRAN, B.S., M.A. .....Assistant Professor of English
B.S., M.A., Northwestern University; doctoral study, University of Toronto.

DAVID STUART COLLINGS, B.M.Ed., M.M.Ed. .....Part-time Instructor of Music Education
B.M.Ed., M.M.Ed., Florida State University.

DONNA LYNN LOFTIN CONERLY, B.S., M.S. .....Instructor of Business Education
B.S., M.S., University of Southern Mississippi.

EDGAR D. COOK, JR., B.S. in B.A., M.A., Ph.D. .....The Parham Bridges Professor of Finance
B.S. in B.A., M.A., Ph.D., University of Florida.

RONAL BLAINE COOK, Major, U.S.A., B.S.C.E. .....Assistant Professor of Military Science
B.S.C.E., University of Tennessee.

[1]JACK CARLUS COOLEY, B.S., M.S., C.P.A. .....Assistant Professor of Accounting
B.S., M.S., University of Southern Mississippi.

WILLIE EARL COOLEY, B.S., M.Ed. .....Instructor of Education
B.S., M.Ed., University of Southern Mississippi.

WALTER ELMORE COOPER, JR., B.S., M.A., Ed.D. ...Assistant to the Dean of Education and Psychology and Associate Professor of Education, Administration, and Supervision
B.S., Huntingdon College; M.A., Ed.D., University of Alabama.

PAUL DAVID COTTEN, SR., B.M.Ed., M.M., Ph.D. .....Assistant Professor of Special Education
B.M.Ed., M.M., Ph.D., University of Southern Mississippi.

SAMUEL BOYD COUSLEY, JR., B.S., M.B.A. .....Instructor of Marketing
B.S., M.B.A., Mississippi State University.

GEORGE EDWARD CRADDOCK, JR., A.B., M.A., Ph.D. ..Associate Professor of Foreign Languages
A.B., University of North Carolina; M.A., Ph.D., Louisiana State University.

BOBBY EUGENE CRAVEN, B.S., M.Ed., Ed.D. .....Assistant Professor of Science Education
B.S., Mississippi College; M.Ed., Ed.D., University of Mississippi.

GEORGE TRUETT CROOK, JR., B.A., M.A. .....Assistant Professor of Theatre Arts and Technical Director
B.A., M.A., University of California, Davis.

DONNA JESSE CROWLEY, B.A., M.A. .....Instructor in Acoustics Institute
B.A., M.A., University of Florida.

JAMES OLIN CULBERSON, B.S., M.A., M.Ed., Ed.D. ....Associate Professor of Guidance
B.S., Bob Jones University; M.A., Columbia Bible College; M.Ed., University of South Carolina; Ed.D., University of Georgia.

JO AN CUMMINGS, B.S., M.S. .....Instructor of Health and Physical Education
B.S., University of Maryland; M.S., West Virginia University.

ROBERT RAY CUMMINGS, B.B.A., M.B.A., C.P.A. .....Assistant Professor of Accounting
B.B.A., M.B.A., Memphis State University; doctoral study, University of Mississippi.

DAVID FRANKLIN CUNNINGHAM, B.S.E., M.A., Ed.D. .....Professor of Elementary Education
B.S.E., Arkansas State Teachers College; M.A., George Peabody College; Ed.D., University of Houston.

JOHN HARBERT DALE, B.S., M.S., ...Instructor of Science Education
B.S., Mississippi State University; M.S., University of Southern Mississippi.

JACK LEMORE DANIELS, B.S., M.Ed., Ph.D. .....Associate Professor of Guidance and Counseling
B.S., University of Texas; M.Ed., Stephen F. Austin State College; Ph.D., East Texas State University.

SYLVESTER D'AQUILLA, B.S., M.S. .....Instructor of Mathematics, Keesler Air Force Base Resident Center
B.S., M.S., University of Southern Mississippi.

WILLIAM VAN DAVIDSON, B.A., M.A. ....Assistant Professor of Geography
B.A., Union University; M.A., George Peabody College for Teachers.

BONNIE JEAN DAVIS, B.S., M.S., Ph.D. ...Associate Professor of Education
B.S., M.S., Ph.D., University of Southern Mississippi.

JAMES LOUIS DAVIS, B.S., M.S. .....Associate Professor of Management
B.S., M.S., University of Southern Mississippi; doctoral study, Louisiana State University.

JAMES TREADWELL DAVIS, B.S., M.A., Ph.D. .....Professor of History
B.S., Memphis State University; M.A., Ph.D., Vanderbilt University.

JULIA McBROOM DAVIS, B.A., M.S., Ph.D. .....Associate Professor of Speech and Hearing Sciences
B.A., M.S., Northwestern State College of Louisiana; Ph.D., University of Southern Mississippi.

CHARLES E. DAWSON, B.S. .....Assistant Professor of Biology Gulf Coast Research Laboratory
B.S., University of Miami.

JAMES ESTUS DEAR, B.S., M.B.A., C.P.A., Ph.D. ....Professor of Accounting
B.S., Northeast Louisiana State College; M.B.A., Ph.D., Louisiana State University.

PERRY BROOKS DENNIS, B.S., B.Mus.Ed., M.Mus.Ed. ...Assistant Professor of Music Education and Assistant Professor of Education
B.S., Mississippi State University; B.Mus.Ed., Vandercook School of Music; M.Mus.Ed., University of Michigan.

GALE SANDERS DICKERSON, B.S., M.S. .....Assistant Professor of Home Economics
B.S., M.S., University of Southern Mississippi.

[1]GLENNA ASBURY DOD, B.S., M.A. .....Part-Time Instructor of Business Education
B.S., M.A., East Kentucky University.

JOHN ROBERT DONOHUE, B.M., M.M., Ph.D. ..Associate Professor of Music
B.M., M.M., Louisiana State University; Ph.D., Michigan State University.

JACK POLLARD DONOVAN, B.S., M.Mus., Ph.D. .....Associate Professor of Music Education
B.S., M.Mus., University of Nebraska; Ph.D., University of Southern Mississippi.

DONALD EDWARD DORE, JR., B.S., M.D. .....Instructor of Biology
B.S., M.D., Louisiana State University.

CHRISTOS LEONIDAS DOUMAS, B.A., M.A., Ph.D. .....Professor of Political Science
B.A., M.A., Ph.D., University of California at Los Angeles.

RAYMOND VIVIAN DOWNEY, B.A., M.A. .....Instructor of English
B.A., William Carey College; M.A., University of Southern Mississippi.

LOIS ARENDER DRAIN, B.S., M.S.....Assistant Professor of Home Economics
B.S., Northeastern State College; M.S., Oklahoma State University.

NETTIE ETOILE DUBARD, B.S., M.A., Ph.D. .....Associate Professor of Speech and Hearing Sciences
B.S., Mary Hardin-Baylor University; M.A., George Peabody College; graduate study, University of Texas, University of Utah, Central Institute of the Deaf at Washington University; Ph.D., University of Southern Mississippi.

JAMES ROGERS DUKE, B.A., M.A. .....Assistant Professor of Art
B.A., University of California at Santa Barbara; M.A., University of California at Los Angeles.

NANCY CASEY DUNIGAN, A.B., M.M. ...Assistant Professor of Mathematics
A.B., Greensboro College; M.M., University of Tennessee; doctoral study, Northwestern University.

LINDA CAROL HALL DuPUY, B.S.N. .....Assistant Professor of Nursing
B.S.N., University of Alabama.

PETER EASTON DURKEE, B.A., M.A., Ph.D. .....Dean of Student Affairs and Associate Professor of Guidance
B.A., M.A., Colgate University; Ph.D., University of Southern Mississippi.

HENRY BENJAMIN EASTERLING, B.S., M.A., Ed.D. ..Professor of Education
B.S., University of Southern Mississippi; M.A., University of Alabama; Ed.D., Duke University.

JAMES EWELL ECHOLS, JR., Colonel, U.S.A., B.S., M.B.A. ....Chairman of Department of Military Science and Professor of Military Science
B.S., M.B.A., University of Southern Mississippi.

ALICE WILKINSON ESSARY, B.S., M.S. .....Instructor of Mathematics
B.S., M.S., University of Southern Mississippi.

THOMAS GLENVALL ESTES, JR., B.S., M.S., Ph.D., C.P.A. .....Assistant Professor of Accounting
B.S., University of Southern Mississippi; M.S., Oklahoma State University; Ph.D., University of Arkansas.

MASON LEON EUBANKS, B.S., M.A. .....Assistant Professor of English
B.S., University of Southern Mississippi; M.A., University of Mississippi; graduate study, George Peabody College.

MARTHA NETTERVILLE EURE, B.S. .....Librarian I, Assistant Cataloger
B.S., University of Southern Mississippi.

WALTER KENNEDY EVERETT, B.A., M.A. ....Assistant Professor of English
B.A., M.A., Mississippi College; doctoral study, University of North Carolina.

SEIGFRED WALTER FAGERBERG, B.S., M.Ed., Ed.D. ...Assistant Professor of Health and Physical Education
B.S., Union University; M.Ed., Memphis State University; Ed.D., University of Southern Mississippi.

MARY EVELYN McCOMIC FAULKINBERRY, B.S., M.S., Ph.D. ..Professor of Home Economics
B.S., Texas Woman's University; M.S., Colorado State University; Ph.D., Texas Woman's University

VIRGINIA ISABELLE FELDER, A.B., M.S., Ed.D. ..Professor of Mathematics
A.B., Mississippi State College for Women; M.S., Tulane University; Ed.D., Columbia University.

LARRY THOMAS FELTY, B.S., M.S.....Assistant Professor of Art Education
B.S., M.S., East Texas State University.

CLAUDE EDWIN FIKE, A.B., A.M., Ph.D. ....Dean of the College of Liberal Arts and Professor of History
A.B., Duke University; A.M., Columbia University; Ph.D., University of Illinois.

BARBARA ANN FISCHER, B.A., M.A., Ph.D. .....Assistant Professor of Biology
B.A., University of Missouri; M.A., University of California at Berkeley; Ph.D., St. Louis University.

ARTHUR GEOFFREY FISH, B.S., M.S., Ph.D. ..Associate Professor of Biology
B.S., Carleton University; M.S., McGill University; Ph.D., University of British Columbia.

HUBERT VENSON FITCH, B.Mus., M.Mus. ....Assistant Professor of Music
B.Mus., M.Mus., University of Michigan; doctoral study, Columbia University.

JOHN MORGAN FLOWERS, JR., A.B., M.S., M.Ed., Ed.D. Associate Professor of Science Education
A.B., M.S., University of Alabama; M.Ed., Ed.D., Duke University.

MADELINE VIRGINIA FLYNT, A.B., M.A.....Assistant Professor of Library Science
A.B., William Carey College; Certificate in Library Science, University of Alabama; M.A., George Peabody College.

RAYMOND FRANCIS FOLSE, JR., B.S., Ph.D. .....Associate Professor of Physics
B.S., Loyola University; Ph.D., Louisiana State University.

DAVID BARON FOLTZ, B.M., M.M., Mus.D.....Chairman of Department of Music and Professor of Music
B.M., M.M., Illinois Wesleyan University; Mus.D., Texas Wesleyan College.

GIOVANNI FONTECCHIO, B.S., M.A. .....Assistant Professor of Foreign Languages
B.S., Northern Michigan University; M.A., Louisiana State University.

WILLIAM COLUMBUS FORD, JR., B.F.A., M.A. ...Assistant Professor of Art
B.F.A., Memphis Academy of Arts; M.A., University of Alabama.

LORA RUTH MOSKOWITZ FRIEDMAN, B.S., M.A., Ed.D. .....Associate Professor of Education
B.S., M.A., City College of New York; Ed.D., University of Florida.

RUDOLPH BURKS GANDY, B.S., M.A. .....Instructor of Communication
B.S., Arkansas A. and M.; M.A., University of Mississippi.

CARL JAY GATES, B.S., M.S., Ed.D. ..... Counselor and Assistant Professor of Guidance
B.S. M.S., Ed.D., University of Southern Mississippi.

ALBERT DONALD GEORGE, A.B., M.A., Ph.D. ..Professor of Communication
A.B., M.A., Ph.D., Louisiana State University.

JEWEL GOLDEN, B.S., M.A., Ph.D.....Professor of Home Economics
B.S., Auburn University; M.A., Columbia University; Ph.D., Florida State University.

JOHN EDMOND GONZALES, B.S., M.A., Ph.D. ..... The William D. McCain Professor of History
B.S., M.A., Louisiana State University; Ph.D., University of North Carolina.

[1]PIERRE J. GOOSSENS, DR. SCI. .....Assistant Professor of Geology
DR. SCI., Universite Catholique de Louvain.

BILL WES GORE, B.S., M.S.....Director of Natchez Resident Center and Instructor of Mathematics
B.S., Mississippi College; M.S., University of Mississippi.

HENRY ARTHUR GOTTLEBER, B.S., M.B.A., Ph.D. .....Associate Professor of Management and Coordinator of Graduate Studies in Business Administration
B.S., University of Southern Mississippi; M.B.A., Boston University; Ph.D., University of Arkansas.

ALBERT EDWARD GOWER, JR., A.B., M.M., Ph.D. .....Associate Professor of Music
A.B., Sacramento State College; M.M., University of Oregon; Ph.D., North Texas State University.

WILLIAM TURNER GOWER, B.Mus., M.Mus., M.F.A., Ph.D.....Chairman of Department of Music Education and Professor of Music Education
B.Mus., M.Mus., University of Denver; M.F.A., Ph.D., University of Iowa.

BILLY JOE GRANTHAM, B.S., M.S., Ph.D. ....Assistant Professor of Biology
B.S., M.S., Ph.D., University of Southern Mississippi.

WILLIAM RADER GRANTHAM, B.S., M.A.....Dean of Men and Assistant Professor of Health and Physical Education
B.S., M.A., University of Southern Mississippi; doctoral study, Louisiana State University

BILLY LEON GREEN, B.S., M.B.A. .....Director of Data Processing and Part-time Instructor of Finance
B.S., M.B.A., University of Southern Mississippi.

JOSEPH ARTHUR GREENE, JR., B.A., M.A., Ph.D.....Dean of the School of Business Administration and Professor of Economics
B.A., Berea College; M.A., Ph.D., University of Virginia.

BRANTLEY DEES GREESON, B.M., M.M. .....Part-time Instructor of Music Education
B.M., M.M., Westminster Choir College.

JOHN ROBERT GREGORY, B.A., M.A., Ph.D. .....Associate Professor of Communication
B.A., M.A., Montana State University; Ph.D., University of Illinois.

YENOIN EPHRIAM GUIBBORY, B.Mus., Ph.D. ..Assistant Professor of Music
B.Mus., Ph.D., West Virginia University.

JOHN DAVID WYNNE GUICE, B.A., M.A., Ph.D. .....Assistant Professor of History
B.A., Yale University; M.A., University of Texas; Ph.D., University of Colorado.

NEWTS EASTON GUILBEAU, B.Mus., M.M.Ed. .....Assistant Professor of Music Education
B.Mus., M.M.Ed., North Texas State University.

ERIC McCOY GUNN, B.S., M.A., Ed.D. .....Dean of College of Education and Psychology and Professor of Education
B.S., M.A., University of Southern Mississippi; Ed.D., George Peabody College.

GORDON GUNTER, A.B., M.A., Ph.D.....Professor of Biology
A.B., Northwestern State College of Louisiana; M.A., Ph.D., University of Texas.

KENNETH URIAL GUTSCH, B.M., M.Ed., Ed.D..... Professor of Guidance
B.M., University of Miami; M.Ed., University of Mississippi; Ed.D., Florida State University.

STANFORD PAYNE GWIN, B.S., M.S., Ph.D. ....Chairman of Department of Communication and Associate Professor of Communication
B.S., M.S., University of Southern Mississippi; Ph.D., University of Florida.

CLIFFORD HELMAR HAGENSON, B.S.Ed., Ph.M. ..Administrative Assistant and Assistant Professor of Curriculum and Instruction
B.S.Ed., University of Illinois; Ph.M., University of Wisconsin; graduate study, University of Illinois.

GRAHAM LEE HALES, JR., B.A., B.D., Th.D. .....Chaplain and Coordinator of Religious Activities and Assistant Professor of Religion and Philosophy
B.A., Millsaps College; B.D., Th.D., Southern Baptist Seminary.

BETTY BROWN HALEY, B.S., M.S., Ed.D. .....Assistant Professor of Health and Physical Education
B.S., M.S., Northwestern State College of Louisiana; Ed.D., Louisiana State University.

ALTRA HOWSE GILL HAMMAN, B.S., M.S., Ph.D. ....Associate Professor of Home Economics
B.S., University of Southern Mississippi; M.S., University of Tennessee; Ph.D., Texas Woman's College.

KENNETH GERALD HAMPTON, B.S., Ph.D. .....Assistant Professor of Chemistry
B.S., Wake Forest College; Ph.D., Duke University.

JAMES THOMAS HANSON, B.S. .....Librarian II, Mississippi Room
B.S., Louisiana State University.

[4]ALTON LAMAR HARE, B.S., M.S. .....Assistant Professor of Mathematics
B.S., Northeast Louisiana State College; M.S., Louisiana Polytechnic Institute; graduate study, Auburn University.

[5]M. ELIZABETH CATHERINE HARKINS, B.S.N.E., M.S.N. .....Dean of the School of Nursing and Professor of Nursing
B.S.N.E., St. Mary College; M.S.N., Catholic University; doctoral study, Florida State University.

MARY MIXON HARMON, B.A., M.A. .....Instructor of Foreign Languages
B.A., University of Americas; M.A., University of Southern Mississippi.

GLENN TERRY HARPER, B.A., M.A., Ph.D. ...Associate Professor of History
B.A., Furman University; M.A., Ph.D., Duke University

EARNEST LAWRENCE HARRINGTON, B.S., M.Ed.....Track Coach, Trainer, Equipment Manager, and Instructor of Health and Physical Education
B.S., M.Ed., University of Southern Mississippi.

GILBERT FREDERICK HARTWIG, Ph.B., M.A., Ph.D. .....Professor of Theatre Arts
Ph.B., M.A., Marquette University, Ph.D., University of Wisconsin.

ALAN EDWARD HARWOOD, B.S., M.A. .....Assistant Professor of Art Education
B.S., University of Tampa; M.A., University of Mississippi.

WILLIAM HAMILTON HATCHER, B.A., M.A., Ph.D. .....Chairman of Department of Political Science, Director of University Honors Program, and Professor of Political Science
B.A., M.A., University of Arkansas; Ph.D., Duke University.

JERRY THOMAS HAYNIE, B.M., M.M. .....Assistant Professor of Music Education
B.M., Union University; M.M., George Peabody College for Teachers.

PATRICIA RUTH McCOY HAYS, B.M.Ed., M.A. .....Instructor of Music
B.M.Ed., M.A., University of Southern Mississippi.

FERN ROGERS HESSON, B.S., M.A. ..Assistant Professor of Home Economics
B.S., M.A., University of Southern Mississippi.

LEE KEMERLY HILDMAN, B.S., M.S. .....Assistant Professor of Psychology
B.S., M.S., Florida State University; doctoral study, University of Florida.

ROBERT BYRON HILL, B.A., M.F.A. ....Auditorium Manager and Technical Director
B.A., Catawba College; M.F.A., Southern Methodist University.

ROGER HARVEY HILL, B.M., M.M.....Assistant Professor of Music
B.M., M.M., Indiana University.

[1]BILLY JOE HOLMES, B.S., Ph.D. .....Assistant Professor of Mathematics
B.S., Southeastern Louisiana; Ph.D., Clemson University.

SHERMAN HONG, B.M.Ed., M.Mus.Ed. .....Instructor of Music Education
B.M.Ed., University of Southern Mississippi; M.Mus.Ed., Northwestern University.

CHARLES MORRIS HOSKIN, B.S., A.M., Ph. D. .....Associate Professor of Geology
B.S., Heidelberg College; A.M., Duke University; Ph.D., University of Texas.

CARL B. HOUSLEY, B.S., Ph.D. .....Research Associate and Assistant Professor of Economics
B.S., East Tennessee State University; Ph.D., Florida State University.

JOHN EMORY HOWELL, B.S.Ed., M.N.S., Ph.D. .....Assistant Professor of Chemistry
B.S.Ed., Marion College; M.N.S., Arizona State University; Ph.D., University of Iowa.

JAMES BOYD HOWLE, Captain, U.S.A., B.S. .....Assistant Professor of Military Science
B.S., Clemson University.

HAROLD D. HOWSE, B.S., M.S., Ph.D. .....Associate Professor of Biology Gulf Coast Research Laboratory
B.S., M.S., University of Southern Mississippi; Ph.D., Tulane University.

[1]JOSEPH FRANCIS HUCK, Mus.B., M.M. .....Associate Professor of Music
Mus.B., M.M., American Conservatory; graduate study, American Conservatory, Chicago Musical College.

MALCOM WAYNE HUCKABEE, B.A., M.A., Ph.D. ...Professor of Psychology
B.A., Mississippi College; M.A., Texas Christian University; Ph.D., University of Southern Mississippi.

WILLIAM EUGENE HUGHES, B.S., Ph.D. ....Chairman of Department of Physics and Professor of Physics
B.S., University of Southern Mississippi; Ph.D., University of Alabama.

BETTY SUE HUMPHRIES, B.S. .....Instructor of Home Economics
B.S. University of Southern Mississippi.

ELVIN MAX HUNTER, B.S., M.Ed., Ed.D. .....Chairman of Department of Industrial and Technical Education and Professor of Industrial and Technical Education
B.S., M.Ed., Ed.D., University of Missouri.

GEORGE GIBSON HURST, B.S., M.S. .....Assistant Professor of Science Education
B.S., University of Southern Mississippi; M.S., Tulane University.

GEORGE EUGENE IMBRAGULIO, B.M., M.M...Assistant Professor of Music
B.M., M.M., Michigan State University; summer study: Aspen, Colorado; St. Cecilia Conservatory, Rome, Italy; Florida State University; Michigan State University.

GEORGE ADAMS INGLERIGHT, Major, U.S.A., B.S. ....Assistant Professor of Military Science
B.S., Florence State University.

BOBBY NEWELL IRBY, B.A., M.S., Ed.D. .....Chairman of Department of Science Education and Associate Professor of Science Education
B.A., University of Washington, M.S., Ed.D., University of Mississippi.

THOMAS TUCKER IVY, B.A., M.Ed. .....Assistant Professor of Marketing
B.A., Hendrix College; M.Ed., University of Arkansas; doctoral study, Arizona State University.

HOWARD OLIVER JACKSON, B.S., M.A., C.P.A. .....Assistant Dean of School of Business Administration and Associate Professor of Accounting
B.S., M.A., University of Southern Mississippi; graduate study, University of Alabama.

RAOUL FRANK HOWARD JEROME, B.M., M.M.....Assistant Professor of Music Education
B.M., M.M., North Texas State University.

ALVIS CLAYTON JOHNSON, B.S., M.A., J.D. .....Director of Keesler Air Force Base and Harrison County Resident Centers and Assistant Professor of Political Science
B.S., University of Southern Mississippi; M.A., University of Mississippi; J.D., University of Alabama.

MARION CLOWER JOHNSON, B.S., M.S. ..Associate Professor of Health and Physical Education
B.S., University of Southern Mississippi; M.S., Louisiana State University.

RICHARD SIKES JOHNSON, B.A., M.A., Ph.D. .....Professor of English
B.A., Southern Methodist University; M.A., University of Oregon; Ph.D., University of Denver.

ROGER BARTON JOHNSON, JR., B.A., A.M., Ph.D. .....Chairman of Department of Foreign Languages and Associate Professor of Foreign Languages
B.A., University of Southern Mississippi; A.M., Ph.D., University of Illinois.

LEROY JOHNSTON, B.A., M.S. .....Assistant Professor of Music Education
B.A., Kansas State Teachers Collegeffi M.S., Julliard School of Music; doctoral study, University of Southern California.

LLOYD EDWARD JONES, B.S., M.A. .....Part-time Instructor of Music Education
B.S., M.A., University of Alabama.

BRYCE DONNELL JORDAN, B.S., M.P.A.....Associate Professor of Finance
B.S., Mississippi State University; M.P.A., Harvard University; doctoral study, University of Alabama.

WALLACE GRANT KAY, B.A., M.A., Ph.D. .....Curriculum Director of University Honors Program and Associate Professor of English
B.A., Southern Methodist University; M.A., Ph.D., Emory University.

RICHARD KAZELSKIS, B.S., Ed.D. .....Assistant Professor of Educational Administration
B.S., Ed.D., University of Georgia.

WILLIAM THOMAS KECK, B.M., M.M. .....Assistant Professor of Music Education
B.M., Eastman School of Music; M.M., Vandercook College of Music.

ARTHELL KELLEY, B.S., M.A., Ph.D. ....Acting Chairman of Department of Geography and Professor of Geography
B.S., University of Southern Mississippi; M.A., University of Missouri; Ph.D., University of Nebraska.

FREDERICK DILL KENAMOND, A.B., M.S., Ph.D., C.P.A. .....Associate Professor of Accounting
A.B., Shepherd College; M.S., University of Southern Mississippi; Ph.D., University of Alabama.

VISVALDIS KIMENIS, Captain, U.S.A., B.A. .....Assistant Professor of Military Science
B.A., Norwich University.

[8]JOHN MORGAN KING, B.S., M.S., Re.D. .....Chairman, Department of Recreation, and Professor of Recreation
B.S., Mississippi College; M.S., University of Florida; Re.D., Indiana University.

ROBERT WILLIAM KING, B.S., M.A., M.S., Ph.D. .....Associate Professor of Mathematics
B.S., M.A., University of Southern Mississippi; M.S., Ph.D., Florida State University.

ROGER TERRY KING, B.B.A., M.B.A., D.B.A. ..Associate Professor of Finance
B.B.A., University of Mississippi; M.B.A., D.B.A., Texas Technological College.

DAVID WINSTON KNIGHT, B.S., M.Ed., Ph.D. .....Associate Professor of Education and Director of Reading Center
B.S., University of Florida; M.Ed., Mississippi College; Ph.D., Florida State University.

HAROLD VICTOR KNIGHT, B.S., M.S.Ed., Ed.D. .....Director of Research and Educational Programs and Associate Professor of Educational Administration
B.S., Livingston State College; M.S.Ed., Northwestern State College of Louisiana; Ed.D., University of Southern Mississippi.

WILLIAM LEE KNIGHTON, B.A. .....Instructor of Mathematics
B.A., Louisiana State University.

JOHN CARRINGTON KOEPPEL, B.S., M.A., Ph.D. .....Associate Professor of Psychology
B.S. M.A., Memphis State University; Ph.D., Oklahoma State University.

ROBERT PAUL LACY, B.S., M.S., Ph.D. .....Associate Professor of Communication
B.S., M.S., Indiana State University; Ph.D., The Ohio State University.

JAMES RONALD LA FEVERS, B.S., M.A. .....Instructor of Geography
B.S., State College of Arkansas; M.A., University of Southern Mississippi.

NORVIN LAWRENCE LANDSKOV, B.A., M.A., Ph.D...Professor of Education
B.A., St. Olaf College; M.A., Ph.D., University of Minnesota.

JAMES GILBERT LANGDON, B.S., M.S., Ed.D. .....Registrar and Instructor of Guidance
B.S., Southern State College; M.S., Ed.D., University of Southern Mississippi.

JAMES RONALD LAYTON, B.S., M.A. .....Instructor of Curriculum and Instruction
B.S., M.A., Applachian State University.

SHARON ELAINE LEBSACK, B.A., B.M., M.A.....Assistant Professor of Music Education
B.A., B.M., M.A., Colorado State College.

BILLY EUGENE LEE, B.S., M.Ed., Ed.D. .....Instructor of Curriculum and Instruction, Student Teaching, Biloxi, Mississippi
B.S., M.Ed., Mississippi State University; Ed.D., University of Mississippi.

SHERWOOD JOHN LEMOINE, B.S. .....Instructor of Finance
B.S., University of Southwest Louisiana.

THERESA GOELLNER LESTER, B.S., M.N. ...Assistant Professor of Nursing
B.S., University of Mississippi School of Nursing; M.N., University of Florida.

ARNOLD DAVID LEWIS, B.S., M.S., Ph.D.....Associate Professor of Biology
B.S., Louisiana State University; M.S., Auburn University; Ph.D., Louisiana State University.

EDDIE MILEY LEWIS, B.S., M.B.A. .....Instructor of Economics
B.S., M.B.A., University of Southern Mississippi.

CHEN-TUAN LI, B.A., M.A., Ph.D. .....Associate Professor of Economics
B.A., National Chingchi University; M.A., Ph.D., University of Florida.

MARGARET PANSY LIGHT, B.S., M.A., M.S. .....Instructor of Mathematics
B.S., University of Southern Mississippi; M.A., M.S., Auburn University.

ADRIANNE DILL LINTON, B.S. .....Instructor of Nursing
B.S., University of Southern Mississippi.

WALTER JAMES LOK, B.Des., M.Des., Ph.D. .....Chairman of Department of Art and Professor of Art
B.Des., M. Des., University of Michigan; Ph.D., University of Alabama.

JAMES DOUGLAS LOWE, JR., B.S., M.A., Ph.D. ....Professor of Psychology
B.S., M.A., Ph.D., University of Alabama

AUBREY KEITH LUCAS, B.S., M.A., Ph.D. .....Dean of the Graduate School and Professor of Education
B.S., M.A., University of Southern Mississippi; Ph.D., Florida State University.

[5]HERBERT EUGENE LUCY, B.A., M.Ed., Ed.D. .....Director of Student Counseling and Associate Professor of Psychology
B.A., William Carey College; M.Ed., Ed.D., University of Southern Mississippi.

MARY MARGARET McCARTHY, B.S., M.A., Ph.D. ....Assistant Professor of Home Economics
B.S., M.A., University of Southern Mississippi; Ph.D., Louisiana State University.

JESSE FRANKLIN McCARTNEY, B.S., M.A. .....Assistant Professor of English
B.S., Oklahoma State University; M.A., doctoral study, University of Arkansas.

KENNETH GRAHAM McCARTY, JR., B.S., M.A., Ph.D. ...Assistant Professor of History
B.S., M.A., University of Southern Mississippi; Ph.D., Duke University.

CLARENCE EDWARD McCARVER, A.B., B.S., M.A., Ed.D. .....Director of Graduate Studies and Professor of Health and Physical Education
A.B., Howard Payne College; B.S., M.A., George Washington University; Ed.D., University of Texas.

JAMES MAX McCOOL, Lieutenant Colonel, U.S.A., B.S. ..Associate Professor of Military Science
B.S., University of Southern Mississippi.

HARRY WELLS McCRAW, B.S., M.A., Ph.D. ...Assistant Professor of English
B.S., Massachusetts Institute of Technology; M.A., Ph.D., Tulane University.

JAMES PEARSE McCULLOUGH, JR., B.A., B.D., M.S., Ph.D. .....Assistant Professor of Psychology
B.A., Louisiana State University; B.D., Southern Methodist University; M.S., Ph.D., University of Georgia.

FRANCES JONES VARNER McCUTCHEN, B.A., M.A. ....Assistant Professor of Geography
B.A., University of Tennessee; M.A., Memphis State University; doctoral study, University of Georgia.

LAURENCE HEIDELBERG McDUFF, B.S.C., M.B.A., C.P.A. .....Assistant Professor of Accounting
B.S.C., University of Mississippi; M.B.A., University of Southern Mississippi.

DOUGLAS KNEALE McGOWEN, B.S., M.S. .....Instructor of Industrial and Technical Education
B.S., M.S., University of Southern Mississippi.

WYNEMA McGREW, B.S.N., M.N. .....Assistant Professor of Nursing
B.S.N., University of Tennessee; M.N., University of Washington.

CHARLOTTE SWALES McHENRY, B.S. .....Assistant Professor of Nursing
B.S., University of Mississippi School of Nursing.

JESSE OSCAR McKEE, B.S. in Ed., M.A. ....Assistant Professor of Geography
B.S. in Ed., Clarion State College; M.A., Michigan State University.

NEIL RAYMOND McMILLEN, B.A., M.A., Ph.D. ...Dean of Basic College and Assistant Professor of History
B.A., M.A., University of Southern Mississippi; Ph.D., Vanderbilt University.

GEORGE HAAS McNINCH, B.S., M.Ed., Ed.D. .....Assistant Professor of Curriculum and Instruction
B.S., University of Southern Mississippi; M.Ed., University of Mississippi; Ed.D., University of Georgia.

JAMES HAROLD McPHAIL, B.S., M.Ed., Ed.D. ....Chairman of Department of Educational Administration and Supervision and Professor of Educational Administration
B.S., M.Ed., University of Southern Mississippi; Ed.D., Boston University.

JAMES MERWYN McQUISTON, JR., B.S. ..Assistant Professor of Economics
B.S., University of Southern Mississippi; doctoral study, University of Virginia.

PATRICIA ANNE McRAVEN, B.A., M.A. .....Instructor of English
B.A., Little Rock University; M.A., University of Arkansas.

THEODORE WALTER MADSEN, B.A., M.A. .....Assistant Professor of Music Education
B.A., Colorado State College; M.A. University of Iowa.

ROBERT BRUCE MAHAFFEY, B.S., M.A., Ph.D. .....Chairman of Department of Speech and Hearing Sciences and Associate Professor of Speech and Hearing Sciences
B.S., M.A., Ph.D., The Ohio State University.

DAVID ERNEST MANGUM, B.A., M.A. .....Instructor of Religion
B.A., M.A., University of Southern Mississippi.

RAYMOND MANNONI, B.S., B.M., M.M.Ed., Mus. Ed.D. .....Dean of School of Fine Arts and Professor of Music
B.S., Kansas State College; B.M., University of Michigan; M.M.Ed., Northwestern University; Mus. Ed.D., Chicago Musical College; study, U.S. Navy School of Music, University of Chicago, Kansas University.

THOMAS STANLEY MARTIN, B.S., M.Ed., M.D...Director of Student Health Services and Assistant Professor of Health and Physical Education
B.S., Mississippi College; M.Ed., University of Southern Mississpipi; M.D., University of Mississippi.

ROBERT FINDLEY MASON, D.R.S.A.M., M.M. .....Assistant Professor of Music Education
D.R.S.A.M., Royal Scottish Academy of Music; M.M., University of Southern Mississippi.

JACK GIBSON MATTHEWS, B.S.E., M.S., Ph.D. .....Assistant Professor of Science Education
B.S.E., Henderson State College; M.S., University of Arkansas; Ph.D., The Ohio State University.

MARY VIRGINIA JONES MEADOR, B.S. ...Librarian II, Assistant Reference Librarian
B.S., University of Southern Mississippi.

WILLIAM FRANCIS MEARS, B.S., M.S. .....Librarian II, Assistant, Public Services
B.S., Tampa University; M.S., University of Southern Mississippi.

LILLIEN ERL MEHEARG, B.A., M.A., Ph.D. .....Professor of Psychology
B.A., Millsaps College; M.A., Louisiana State University; Ph.D., University of Southern Mississippi.

RICHARD JUNIUS MENDENHALL, B.S., M.Ed.....Assistant Professor of History, Keesler Air Force Base Resident Center
B.S., Livingston State University; M.Ed., University of Southern Mississppi.

VERNON EUGENE MERRIFIELD, B.F.A., M.A.....Assistant Professor of Art
B.F.A., M.A., University of Alabama.

ROBERT MESROBIAN, B.F.A., M.F.A. .....Assistant Professor and Director of Opera Theatre
B.F.A., M.F.A., Boston University College of Music.

JESSE LLOYD MILAM, B.A., M.A., Ed.D. .....Professor of Health and Physical Education
B.A., Louisiana Polytechnic Institute; M.A., Ed.D., Columbia University.

LEO REYNOLDS MILLER, B.S.Ed., M.S.Ed., Ed.D. .....Professor of Elementary Education
B.S.Ed., Kansas City, Missouri Teachers College; M.S.Ed., University of Kansas; Ed.D., The Pennsylvania State University.

LOUELLA GILL MILNER, B.S., M.S., Ed.D. .....Associate Professor of Home Economics
B.S., M.S., Ed.D., University of Southern Mississippi.

LOLA PENNYAN MOBLEY, A.B., M.A. .....Assistant Professor of Political Science
A.B., M.A., George Washington University; doctoral study, University of Kentucky.

CARL A. MOELLER, A.B., M.Ed., Ed.D. .....Associate Professor of Industrial and Technical Education
A.B., Michigan State College; M.Ed., Texas Agricultural and Mechanical College; Ed.D., Wayne State University.

GENE HERBERT MOFFAT, B.S., A.M., Ph.D. .....Assistant Professor of Psychology
B.S., Allegheny College; A.M., Northern Illinois University; Ph.D., University of South Dakota.

ROY NEWTON MOORE, B.S., M.B.A. ....Assistant Professor of Management
B.S., M.B.A., University of Southern Mississippi; doctoral study, University of Alabama.

CHARLES WICKLIFFE MOORMAN, A.B., M.A., Ph.D. .....Dean of the University and Professor of English
A.B., Kenyon College; M.A., Ph.D., Tulane University; Guggenheim Fellow.

RUTH GLINDMEYER MOORMAN, A.B., M.A. ..Part-time Assistant Professor of Foreign Languages
A.B., Agnes Scott College; M.A., University of Cincinnati.

JEROLD JOSEPH MORGAN, B.S., M.B.A., Ph.D. .....Chairman of Department of Accounting and Professor of Accounting
B.S., University of Southern Mississippi; M.B.A., University of Houston; Ph.D., University of Alabama.

JOSEPH S. MORRELL, B.S., M.S., Ph.D. ..Associate Professor of Mathematics
B.S., University of Southwest Louisiana; M.S., Louisiana State University; Ph.D., Florida State University.

JOE BARRY MULLINS, B.Mus., M.M., Ed.D. .....Professor of Music and Coordinator of Graduate Studies in Fine Arts
B.Mus., Southwestern at Memphis; M.M., George Peabody College; Ed.D., University of Illinois.

VIRGINIA LOU WILLIAMS MULLINS, B.S., M.S. ..Instructor of Mathematics
B.S., Northeast Louisiana College; M.S., University of Illinois.

JACK DOUGLAS MUNN, B.S., M.A. .....Associate Professor of Mathematics
B.S., University of Southern Mississippi; M.A., University of Alabama; graduate study, Oklahoma State University.

DONALD THOMAS MUNSELL, B.M., M.A., Ph.D. .....Assistant Professor of Music Education
B.M., University of Miami; M.A., Ph.D., State University of Iowa.

SHIRLEY MURPHY, B.S., M.S. .....Librarian II, Reference Librarian
B.S., University of Southern Mississippi; M.S., Louisiana State University.

RAY SIGLER MUSGRAVE, B.A., M.A., Ph.D.....Chairman of Department of Psychology and Professor of Psychology
B.A., Bethany College; M.A., Ohio Wesleyan University; Ph.D., Syracuse University.

MILNER HOWARD MYERS, JR., B.S. ....Librarian I, Science and Technology
B.S., University of Southern Mississippi.

GWINN NADERHOFF, JR., B.A., M.Ed. .....Counselor and Instructor of French and Guidance, Harrison County Resident Center
B.A., M.Ed., University of Southern Mississippi.

FRANK KLEIN NAGURNEY, B.A. .....Instructor of Computer Science and Statistics
B.A. Rider College.

JOHN FREDERICK NAU, B.D., M.A., Ph.D. .....Distinguished University Professor of Religion and Philosophy
B.D., Concordia Seminary; M.A., Tulane University; Ph.D., University of South Carolina.

HOWARD CARROLL NESBITT, B.A., M.A., Ed.D. .....Professor of Health, Physical Education, and Recreation
B.A., Washington College; M.A., Ed.D., Columbia University.

EDITHA SCHLANSTEDT NEUMANN, B.A., M.S.W., Ph.D. .....Associate Professor of Foreign Languages
B.A., University of Berlin; M.S.W., University of Pittsburgh; Ph.D., Tulane University.

KARL NEUMANN, LL.D., M.F.A. .....Professor of Music Education
LL.D., Prague University; M.F.A., Carnegie Institute of Technology.

CLINTON COLGATE NICHOLS, B.M.Ed., M.M. ..Assistant Professor of Music
B.M.Ed., Oklahoma Baptist University; M.M., New Orleans Baptist Theological Seminary.

DUDLEY STEPHEN NICHOLS, JR., B.A., M.A. .....Instructor of English, Natchez Resident Center
B.A., M.A., Mississippi College.

SALLY TOM HEMPHILL NIELSEN, B.S., M.Ed. .....Instructor Education
B.S., William Carey College; M.Ed., University of Southern Mississippi.

[4]EDWARD NISSAN, B.S., M.A., Ph.D. .....Associate Professor of Computer Science and Statistics
B.S., M.A., University of Kansas; Ph.D., Texas A. and M. University.

DONALD EARL NORRIS, JR., B.S., M.S., Ph.D. .....Assistant Professor of Biology
B.S., Indiana State University; M.S., Ph.D., Tulane University.

MARTHA FRANCES HILL NORRIS, B.S. ....Librarian I, Assistant Cataloger
B.S., University of Southern Mississippi.

JOHN McCALL NORSWORTHY, B.S., M.Ed., Ed.D. .....Assistant Professor of Special Education
B.S., M.Ed., Mississippi State University; Ed.D., University of Southern Mississippi.

WILLIAM DURWARD NORWOOD, B.A., M.A., Ph.D. .....Chairman of Department of English and Professor of English
B.A., Baylor University; M.A., Lamar State College of Technology; Ph.D., University of Texas.

MARIAN ZYGMUNT NOWAKOWSKI .....Assistant Professor of Music
Performance Diploma, Conservatory of Music and Fine Arts, Lwon, Poland.

CHARLES MICHAEL OLIVER, B.S., M.S., Ed.D. .....Director of Conferences and Extension and Instructor of Guidance, Division of Continuing Education
B.S., M.S., East Texas State College; Ed.D., University of Southern Mississippi.

LINWOOD ELDEN ORANGE, A.B., M.A., Ph.D. .....Professor of English
A.B., M.A., Ph.D., Duke University.

WILLIE VERNON OUBRE, B.S. .....Instructor of Law Enforcement
B.S., University of Southern Mississippi.

[2]DWIGHT VERNON OVERMEYER, B.A., M.A., D.M.A. ....Associate Professor of Music
B.A., M.A., Long Beach State College; D.M.A., University of Southern California.

OVERSTREET, ROBIN M., B.S., M.S., Ph.D ....Assistant Professor of Biology Gulf Coast Research Laboratory
B.S., University of Oregon; M.S., Ph.D., University of Miami.

FANNIE OZELL OWINGS, B.S., M.S...Assistant Professor of Home Economics
B.S., University of Southern Mississippi; M.S., University of Tennessee; graduate study, University of Kentucky, Michigan State University.

RALPH SEER OWINGS, A.B., M.A., Ed.D. .....Professor of Educational Administration
A.B., M.A., Wofford College; M.A., Ed.D., Columbia University.

HALIL OZERDIN, B.A., M.A. .....Instructor of Psychology, Harrison County Resident Center
B.A., Huntingdon College; M.A., University of Southern Mississippi.

CLIFTON OSBORN PADGETT, B.A., M.Ed., ...Assistant Professor of Education
B.A., William Carey College; M.Ed., University of Southern University.

PATRICIA ALICE PARKER, B.Mus., M.Mus. ....Assistant Professor of Music
B.Mus., M.Mus., University of Michigan.

JOEY HAROLD PAUL, B.S., M.S. .....Instructor of Mathematics, Natchez Resident Center
B.S., M.S., Louisiana Polytechnic Institute.

OSCAR LAWRENCE PAULSON, JR., B.S., M.S., Ph.D. .....Associate Professor of Geology
B.S., M.S., Mississippi State University; Ph.D., Louisiana State University.

PAUL WALLACE PEDDICORD, B.A., M.Ed., Ed.D. ..Chairman of Department of Curriculum and Instruction and Professor of Educational Foundations
B.A., Furman University; M.Ed., University of Houston; Ed.D., Duke University

FLORENCE LIGHTSEY PERRY, B.S., M.S. .....Librarian II, Education and Psychology
B.S., M.S., University of Southern Mississippi.

GEORGE FRANCIS PESSONEY III, B.S., M.A., Ph.D. .....Chairman of Department of Biology and Associate Professor of Biology
B.S., M.A., Sam Houston State College; Ph.D., University of Texas.

RICHARD CLARK PETERS, B.A. ...Instructor of Curriculum and Instruction
B.A., Milton College.

BRIAN MICHAEL PHILLIPPI, B.S. .....Instructor of Computer Science and Statistics and Systems Programmer
B.S., University of Southern Mississippi.

HENRY STANLEY PHILLIPS, JR., B.S., M.S. .....Instructor of English
B.S., M.S., University of Southern Mississippi.

OLIVER OTTO PHILLIPS, B.S., M.A., Ed.D. .....Assistant Professor of Elementary Education
B.S., M.A., Ed.D., University of Southern Mississippi.

[6]ELVA JO CROSS PIERCE, B.S. .....Instructor of Nursing, Natchez Resident Center
B.S., Northwestern State College of Louisiana.

MARNELL PIERCE, BA., M.Ed. ....Assistant Professor of Special Education
B.A., M.Ed., University of Florida.

ROBERT CHRISTOPHER PIERLE, JR., B.A., M.A. .....Assistant Professor of English
B.A., Hampden-Sydney College; M.A., Duke University; doctoral study, Auburn University.

MONTE EDDY PILIAWSKY, B.A., M.A. .....Assistant Professor of Political Science
B.A., Louisiana State University at New Orleans; M.A., doctoral study, Tulane University.

JAMES WESLEY PINSON, B.S., M.S., Ph.D. .....Associate Professor of Chemistry
B.S., William Carey College; M.S., Ph.D., University of Mississippi.

PAUL HOWARD PITTMAN, B.A. ....Part-time Instructor of Communication
B.A., University of Mississippi.

WILLIAM VILAS PLUE, B.S., M.Ed., Ed.D. .....Chairman of Department of Special Education and Associate Professor of Special Education
B.S., M.Ed., Lewis and Clark College; Ed.D., University of Oregon.

WILLIAM HARVEY POIRIER, B.S., M.A., Ed.S., Ed.D. .....Chairman of Department of Art Education and Associate Professor of Art Education
B.S., Eastern Michigan University; M.A., Ed.S., George Peabody College; Ed.D., University of Southern Mississippi.

CARRIE LOUISE PORTER, A.B., M.A. .....Instructor of English
A.B., Mississippi State College for Women; M.A., University of Alabama.

DELTON PORTER, B.S., M.Ed. .....Counselor and Instructor of Guidance, Natchez Resident Center
B.S., M.Ed., Delta State College.

BETTY DRAKE POSEY, B.S., M.S. .....Librarian II, Periodicals
B.S., M.S., Auburn University.

FLORA MAE POSEY, B.S.N.E., M.S.N.....Director of Nursing Program and Assistant Professor of Nursing, Natchez Resident Center
B.S.N.Ed., Incarnate Word College; M.S.N., University of Texas.

LLOYD FRANKLIN POSEY, B.S., M.A., Ed.D. .....Associate Professor of Education
B.S., University of Alabama; M.A., Ed.D., George Peabody College.

RUSSELL HAYWARD POTTER IV, B.A. .....Librarian II, Collection
B.A., University of Southern Mississippi.

GOMER JEFFREY POUND, Mus.B., M.Mus. Ed., Ph.D. in M.Ed. ....Assistant Dean of the School of Fine Arts and Professor of Music Education
Mus.B., Michigan State University; M.Mus.Ed., Ph.D. in M.Ed., Florida State University.

ERIC RICHARD PRENSHAW, B.M., M.M., D.M.A. .....Assistant Professor of Music Education
B.M., M.M., Northwestern University; D.M.A., University of Texas.

PEGGY WHITMAN PRENSHAW, B.A., M.A., Ph.D. .....Assistant Professor of English
B.A., M.A., Mississippi College; Ph.D., University of Texas.

WILLIAM HENRY PRESSER, A.B., Mus.M., Ph.D. .....Associate Professor of Music
A.B., Alma College; Mus.M., University of Michigan; Ph.D., University of Rochester.

ISAAC BLAINE QUARNSTROM, B.S., M.A., Ph.D. .....Chairman of Department of Theatre Arts and Associate Professor of Theatre Arts
B.S., M.A., Brigham Young University; Ph.D., The Ohio State University.

CHARLES COOPER QUIMBY, B.A., M.Ed. .....Instructor of History, Natchez Resident Center
B.A., M.Ed., Northeast Louisiana State College.

AVIS BEAUCHAMP RABIN, B.S.N., M.A. .....Assistant Professor of Nursing
B.S.N., Emory University; M.A., Columbia University.

MORTON HERBERT RABIN, B.A., M.A., Ph.D. .....Associate Professor of Psychology
B.A. New York University; M.A., Columbia University; Ph.D., Florida State University.

OHREN WILLIS RAINS, B.S., M.Ed., Ed.D. .....Assistant Professor of Curriculum and Instruction
B.S., Arkansas Agricultural and Mechanical College; M.Ed., Alabama Polytechnic Institute; Ed.D., Oklahoma State University.

CHARLES HENRY RATCLIFF, B.M.E., M.S. Ph.D. ....Associate Professor of Mathematics
B.M.E., Georgia Institute of Technology; M.S., Mississippi State University; Ph.D., University of Alabama.

RUTH ANN TAYLOR RATCLIFF, B.S., M.A., Ph.D ....Assistant Professor of Mathematics
B.S., Mississippi State University; M.A., Ph.D., University of Alabama.

GRAYSON HANKS RAYBORN, B.S., Ph.D. ....Assistant Professor of Physics
B.S., Rensselaer; Ph.D., University of Florida.

DANIEL ARTHUR RAYMOND, JR., Captain, U.S.A., B.S. .....Assistant Professor of Military Science
B.S., The Citadel.

CAROLYN ANN REED, B.S. .....Librarian I, Humanities
B.S., University of Southern Mississippi.

ROBERT CLYDE RHODES, B.S., M.A., Ph.D. .....Associate Professor of Speech and Hearing
B.S., Colorado State University; M.A., University of Colorado; Ph.D., University of Pittsburgh.

MYRAH NORINE WATKINS RILEY, B.A., M.A. .....Instructor of English
B.A., M.A., graduate study, University of Southern Mississippi.

LUIS R. RIVAS, B.L.-B.S. .....Associate Professor of Biology
B.L.-B.S., Quebec Technical School.

HILDA LYNELL BRISTER ROGERS, B.S., M.S. .....Assistant Professor of Home Economics
B.S., M.S., University of Southern Mississippi; graduate study, Eastern Kentucky State College.

HOWARD NOAH ROGERS, B.A., M.A. .....Instructor of History, Keesler Air Force Base and Harrison County Resident Centers
B.A., Franklin College; M.A., Indiana University.

KEN EDWARD ROGERS, B.S., M.S., Ph.D. ....Assistant Professor of Biology
B.S., Tennessee Polytechnic Institute; M.S., Auburn University; Ph.D., University of Tennessee.

LOUIS LEROY ROGERS, B.S., M.A., Ed.D.....Director of Office of Student Teaching and Professor of Education
B.S., M.A., University of Southern Mississippi; Ed.D., University of Tennessee.

ANNIE van LANDINGHAM ROUSH, B.S. .....Instructor of Microbiology
B.S., Mississippi State College for Women.

MARGARET WILSON RYAN, B.A., M.Ed., Ed.D. .....Assistant Professor of Art Education
B.A., M.Ed., Florida Atlantic University; Ed.D., University of Florida.

GILBERT THEODORE SAETRE, B.S., M.A. in Mus.Ed.....Associate Professor of Music Education
B.S., M.A. in Mus.Ed., New York University; graduate study, Juilliard School of Music.

WILLIAM FEAGIN ST. CLAIR, B.S., M.A. ....Associate Professor of Physics
B.S., University of Florida; M.A., University of Alabama; graduate study, University of Alabama.

YSIDRO SALINAS, B.S., M.S. .....Instructor of Industrial and Technical Education
B.S., M.S., University of Southern Misssissippi.

AUBREY CECIL SANFORD, B.S. in B.A., M.B.A., Ph.D. ...Assistant Professor of Management
B.S. in B.A., M.B.A., University of Southern Mississippi; Ph.D., Louisiana State University.

WILLIAM KAUFFMAN SCARBOROUGH, A.B., M.A., Ph.D.....Associate Professor of History
A.B., University of North Carolina; M.A., Cornell University; Ph.D., University of North Carolina.

EDUARDO GONZALEZ SCHEEL, B.A., M.A. .....Associate Professor of Foreign Languages
B.A., M.A., doctoral study, University of Texas.

WILLIAM FREDERICK SCHOELL III, B.S., M.B.A., Ph.D. .....Associate Professor of Marketing
B.S., Louisiana State University at New Orleans; M.B.A., Ph.D., University of Arkansas.

*JAMES ANDREW SCOGGINS, B.A., M.Ed. .....Instructor of Secondary Education
B.A., Vanderbilt University; M.Ed., University of Southern Mississippi.

JAMES WALTER SEAL, B.S. .....Instructor of Economics
B.S., University of Southern Mississippi.

JOHN RICHARD SHAFFER, B.S., M.A., Ed.D. .....Professor of Curriculum and Instruction
B.S., Memphis State University; M.A., Teachers' College, Columbia University; Ed.D., Indiana University.

LUCRETIA FAYE SHAW, B.A., M.Mus.Ed. .....Assistant Professor of Music
B.A., Northeastern State College; M.Mus.Ed., North Texas State University.

DONALD JOSEPH SHOEMAKER, B.A., M.A., Ph.D. .....Assistant Professor of Sociology
B.A., Millsaps; M.A., Ph.D., University of Georgia.

CHARLES AUBREY SIEVERS, B.M., M.Mus. Ed. .....Assistant Professor of Education
B.M., Louisiana State University; M.Mus.Ed., University of Colorado.

HENRY LAMAR SIMMONS, B.S. ....Librarian I, Assistant, Mississippi Room
B.S., University of Southern Mississippi.

WILLIAM ARNOLD SIRMON, B.S., M.S., D.B.A. .....Associate Professor of Finance
B.S., M.S., University of Southern Mississippi; D.B.A., Mississippi State University.

DAVID ALLEN SISEMORE, B.A., M.A., Ph.D. .....Assistant Professor of Psychology
B.A., M.A., Ph.D., University of Arkansas.

RALPH MANUEL SIVERIO, B.S. ...Assistant Professor of Foreign Languages, International Student Adviser, and Consultant to English Language Institute
B.S., Louisiana State University; graduate study, Louisiana State University, San Francisco State College.

CRAIG BARNWELL SKATES, B.A., M.A. .....Instructor of English
B.A., Millsaps College; M.A., University of Southern Mississippi.

JOHN RAY SKATES, JR., B.B.A., M.A., Ph.D .....Chairman of Department of History and Professor of History
B.B.A., University of Mississippi; M.A., Ph.D., Mississippi State University.

BILLY BORDEN SLAY, B.S., M.S., Ed.D. .....Associate Professor of Health and Physical Education
B.S., M.S., University of Southern Mississippi; Ed.D., Louisiana State University.

BYRON COLMAN SMITH, B.S., M.A., Ph.D.....Associate Professor of Biology
B.S., Indiana State University; M.A., DePauw University; Ph.D., University of Georgia.

EDDIE MALVIN SMITH, B.S., M.Ed. .....Instructor of Science, Natchez Resident Center
B.S., Mississippi State University; M.Ed., University of Southern Mississippi.

JACK ALAN SMITH, B.S., M.A., Ph.D. ....Administrative Assistant to Dean of University and Associate Professor of English
B.S., Troy State College; M.A., Ph.D., Auburn University.

JAMES LOGAN SMITH, A.B., M.D. .....Instructor of Chemistry
A.B., M.D., George Washington University.

ROBERT DALTON SMITH, B.A., Ph.D. .....Assistant Professor of Political Science
B.A., University of Virginia; Ph.D., Vanderbilt University.

ISADORE LEON SONNIER, A.B., A.M., Ed.D. .....Associate Professor of Science Education
A.B., University of Southwestern Louisiana; A.M., Louisiana State University; Ed.D., Colorado State College.

DONALD RAY SOUTH, B.S., M.S., Ph.D. .....Chairman of Department of Sociology and Associate Professor of Sociology
B.S., University of Southern Mississippi; M.S., Ph.D., Louisiana State University.

FLORENCE ANN SPEAIRS, B.A. .....Librarian I, Assistant Cataloger
B.A., University of Southern Mississippi.

BEVERLY LOUISE STAFFORD, B.S., M.S., Ed.D. .....Associate Professor of Health and Physical Education
B.S., Southeastern Louisiana College; M.S., Ed.D., Louisiana State University.

MARTIN STEGENGA, B.S., M.S., D.B.A.....Chairman of Department of Management and Professor of Management
B.S., M.S., Mississippi State University; D.B.A., Indiana University.

ROBERT ELLIS STEVENS, B.S., M.B.A. ....Assistant Professor of Marketing
B.S., Arkansas State College; M.B.A., doctoral study, University of Arkansas.

RIC OSCAR STEWART, B.S., M.C.S. .....Instructor of Computer Science
B.S., University of Southern Mississippi; M.C.S., Texas A. and M. University.

LEONARD DON STOCKER, A.B., M.A., Ph.D. ...Associate Professor of Music
A.B., University of Michigan; M.A., Columbia University; Ph.D., Florida State University.

PETER KONRAD STOCKS, B.S., M.S., Ph.D. .....Chairman of Department of Microbiology and Professor of Microbiology
B.S., Millsaps College; M.S., University of Southern Mississippi; Ph.D., Louisiana State University.

PAULINE ROGERS STOUT, A.B., M.A. .....Research and Editorial Assistant to the President and Instructor of English
A.B., Concord College; M.A., University of North Carolina.

ROLAND RAY STROUD, JR., B.A., M.S. .....Part-time Instructor of Foreign Languages
B.A., M.S., University of Southern Mississippi.

MARY BABB STURDIVANT, B.S.N., M.N. ....Assistant Professor of Nursing
B.S.N., University of Mississippi School of Nursing; M.N., Emory University.

WARREN CLAYTON SULLIVAN, B.A., B.D., Th.D. .....Associate Professor of Religion
B.A., Mississippi College; B.D., Th.D., Southern Baptist Theological Seminary.

C DOWNING SWEAT, JR., B.M.E., M.S. ....Assistant Professor of Management
B.M.E., Auburn University; M.S. Florida State University; doctoral study, University of Alabama.

JAMES REGINALD SWITZER, B.S., M.S., Ed.D. .....Acting Chairman of Department of Health and Professor of Health and Physical Education
B.S., University of Southern Mississippi; M.S., Louisiana State University; Ed.D., University of Texas.

GLORIA BRUEMMER TAYLOR, B.S., M.S., Ed.D. .....Assistant Professor of Business Education
B.S., M.S., Ed.D., University of Southern Mississippi.

OLIVER BOGGS THAGARD, A.B. .....Part-time Instructor of Sociology
A.B., Samford University.

SELBY FRELAND THAMES, B.S., M.S., Ph.D. ....Chairman of Department of Polymer Science and Professor of Polymer Science
B.S., M.S., University of Southern Mississippi; Ph.D., University of Tennessee.

JAC LYNDON THARP, B.A., M.A., Ph.D. .....Professor of English
B.A., M.A., University of Tennessee; Ph.D., Harvard University.

ROBERT PAYNE THOMAS, B.S., M.S. .....Instructor of Educational Foundations
B.S., Oklahoma State University; M.S., Southern Illinois University.

STEVEN ALBERT THOMAS, Major, U.S.A., B.A. .....Assistant Professor of Military Science
B.A., Pomona College.

CHARLES EDWIN THOMPSON, A.B., M.Ed., Ed.D. .....Assistant Professor of Education, Harrison County Resident Center
A.B., Allegheny College; M.Ed., Ed.D., University of Southern Mississippi.

JOHN RICHARD THOMPSON, B.A., M.A., Ph.D. .....Assistant Professor of Biology
B.A., Albion College; M.A., Ph.D., Duke University.

JOE BARHAM THRASH, JR., B.S., M.S. ..Assistant Professor of Mathematics
B.S., M.S., Lamar State College.

LOIS GLEN THRASH, B.S., M.A. .....Assistant Professor of English
B.S., Lamar State College; M.A., Texas Technological College.

LARRY DEAN TJARKS, B.A., M.A., Ph.D. .....Assistant Professor of English
B.A., Hastings College; M.A., Ph.D., University of Nebraska.

JAROSLAW TOMASZWISKYJ, B.S., M.A.....Assistant Professor of Foreign Languages
B.S., Ukrainian School of Economics; M.A., New York University.

PAUL MARVIN TOOM, B.A., Ph.D. .....Assistant Professor of Chemistry
B.A., Central College (Iowa); Ph.D., Colorado State University.

PAUL DELMAS TORRES, B.S.C., M.B.A. ...Associate Professor of Accounting
B.S.C., Spring Hill College; M.B.A., doctoral study, University of Alabama.

JAMES AIRD TOWNLEY, B.S., M.A.....Assistant Professor of Health and Physical Education
B.S., M.A., University of Southern Mississippi; doctoral study, Louisiana State University.

LINDA SUE CLARK TOWNSEND, B.S., M.A. .....Instructor of Health, Physical Education, and Recreation
B.S., M.A., Murray State College.

WARREN FRANCIS TRACY, A.B., B.S. in L.S., M.A., Ph.D.....Librarian and Professor of Library Science
A.B., Earlham College; B.S. in L.S., Western Reserve University; M.A., Ph.D., University of Chicago.

GUY THOMAS TRAIL, A.B., A.M., Ph.D. .....Assistant Professor of Foreign Languages
A.B., A.M., Ph.D., University of Illinois.

MARY JANE TROKEL, B.S. .....Instructor and Acting Director of Dance
B.S., Eastern Michigan University.

WILLIAM TUCHAK, LL.M., I.A.M., Ph.D. .....Professor of Political Science
LL.M., Casimir University; I.A.M., Columbia University; Ph.D., University of Colorado.

FORREST DALE TUCKER, B.A., M.A., Ph.D. .....Chairman of Division of Communications, Professor of Communication, and Director of Office of Public Information
B.A., University of Wichita; M.A., Ph.D., Cornell University.

LYNETTE CALCOTE TUGGLE, B.S., M.S. ....Instructor of Home Economics
B.S., M.S., University of Southern Mississippi.

ROBERT WALDO TURNER, B.A., M.A. .....Instructor of Sociology
B.A., M.A., University of Mississippi.

SIDNEY D. UPHAM, A.B., Ph.D. .....Professor of Chemistry and Director of The Universities' Marine Center
A.B., Clark University; Ph.D., Oklahoma State University.

ROBERT THOMAS van ALLER, B.S., M.S., Ph.D. .....Dean of College of Science and Professor of Chemistry
B.S., M.S., Ph.D., University of Alabama.

ELLEN MARIE CAMPBELL VIETS, A.B., B.S. in L.S. .....Librarian II, Circulation Librarian
A.B., West Virginia University; B.S. in L.S., Drexel Institute of Technology.

FRANK VIRDEN, B.S., M.A., D.P.A. .....Associate Professor of Political Science
B.S., United States Naval Academy; M.A., D.P.A., George Washington University.

BARBARA ANN KETTERMAN von WAHLDE, B.S., M.A. .....Librarian II, Head Cataloger
B.S., M.A., Indiana University.

PETER HAROLD CAMPION von WAHLDE, A.B., A.M., Ph.D. .....Associate Professor of History
A.B., A.M., Ph.D., Indiana University.

RICHARD CRAWFORD VREELAND, B.A., M.B.A., Ph.D.....Chairman of Department of Marketing and Professor of Marketing
B.A., Rollins College; M.B.A., Ph.D., University of Florida.

DAVID LAIRD WAITE, B.S. .....Assistant Professor of Communication
B.S., University of Oregon.

JAMES FREDERICK WALKER, A.B., M.S., Ph.D. .....Professor of Biology
A.B., M.S., University of Mississippi; Ph.D., University of Iowa.

JESSIE STEWART WALL, A.B., A.M., Ed.D..Professor of Elementary Education
A.B., Fairmont State College; A.M., West Texas State College; Ed.D., Florida State University.

JOHN EDMUND WALLACE, B.A., M.A., Ph.D. .....Assistant Professor of History and English, Keesler Air Force Base Resident Center
B.A., M.A., Ph.D., University of Southern Mississippi.

HENRY HARRISON WALTON, B.S., M.S. .....Instructor of Health and Physical Education
B.S., M.S., Northwestern State College of Louisiana.

HARRY CALVIN WARD, JR., B.A., M.A. .....Assistant Professor of Art
B.A., University of Southern Mississippi; M.A., East Tennessee State University.

SIDNEY EDWARD LEE WEATHERFORD, JR., B.S., M.A., Ed.D. ....Director of the Bureau of Institutional Research and Professor of Education
B.S., M.A., University of Southern Mississippi; Ed.D., University of Florida.

GORDON ALLISON WEAVER, B.A., M.A., Ph.D. .....Assistant Professor of English
B.A., University of Wisconsin; M.A., University of Illinois; Ph.D., University of Denver.

SARAH LITTLETON WEAVER, B.S., M.A., Ph.D. .....Dean of School of Home Economics and Professor of Home Economics
B.S., M.A., University of Southern Mississippi; Ph.D., Florida State University.

CHARLES FIRMIN WEBB, B.S., M.A. .....Assistant Professor of Health, Physical Education, and Recreation
B.S., M.A., University of Southern Mississippi.

PORTER GRIGSBY WEBSTER, B.A., M.S., Ph.D. .....Acting Chairman of Department of Mathematics and Professor of Mathematics
B.A., Georgetown College; M.S., Ph.D., Auburn University.

LATNEY CONRAD WELKER, JR., B.S., M.A., Ed.D. .....Chairman of Department of Research and Human Development and Professor of Education
B.S., Millsaps College; M.A., Ed.D., University of Southern Mississippi.

DAVID LEE WERTZ, B.S., M.S., Ph.D. ....Associate Professor of Chemistry
B.S., Arkansas State University; M.S., Ph.D., University of Arkansas.

BEN MARSHALL WEST, B.S., M.S., J.D. .....Associate Professor of Finance
B.S., United States Military Academy; M.S., University of Colorado; J.D., University of Mississippi.

FRANK COOK WHITESELL, B.A., M.A. ....Assistant Professor of Economics
B.A. M.A., University of South Carolina; doctoral study, Tulane University.

LEON AUSTIN WILBER, A.B., M.A., Ph.D. .....Distinguished University Professor of Political Science
A.B., M.A., Ph.D., University of Michigan.

VIRGINIA ROBERTA RAYNER WILGUS, A.B., M.A. .....Instructor of Home Economics
A.B., Northwestern State College; M.A., University of Southern Mississippi.

D. C. WILLIAMS, JR., B.S., M.S., Ph.D.....Director, Bureau of Business Research and Associate Professor of Economics
B.S., Southeastern Louisiana College; M.S., Ph.D., Louisiana State University.

HOWARD PERSON WILLIAMS, A.B., M.S., Ph.D. .....Assistant Professor of Chemistry
A.B., East Carolina University; M.S., Ph.D., University of Flordia.

CARL LESTER WILLIS, B.A. .....Assistant Professor of Communication
B.A., Ouachita Baptist University.

HAROLD MARTIN WILSON, B.A., M.A., Ph.D. .....Assistant Professor of Communication
B.A., University of Alabama; M.A., Louisiana State University; Ph.D., University of North Carolina.

JACK COOK WIMBERLY, B.A., M.A., Ph.D. ....Chairman of Department of Economics and Professor of Economics
B.A., Louisiana Polytechnic Institute; M.A., Ph.D., Louisiana State University.

ROGER KOHLER WINGER, B.S., M.A., Ph.D. .....Assistant Professor of Speech and Hearing Sciences
B.S., Ashland College; M.A., Ph.D., The Ohio State University.

MARY GRANTHAM WOLFE, B.S. ....Librarian II, Assistant Order Librarian
B.S., University of Southern Mississippi.

FORREST EDWARDS WOOD, JR., B.A., Th.D. .....Acting Chairman of Department of Religion and Philosophy and Associate Professor of Religion and Philosophy
B.A., Baylor University; Th.D., Southwestern Baptist Theological Seminary

JOHN HERBERT WOOD, B.S., M.S., Ph.D. .....Assistant Professor of Physics and Astronomy
B.S., M.S., Ph.D., Virginia Polytechnic Institute.

MARJORIE WEST WRIGHT, B.S. .....Instructor of Nursing, Natchez Resident Center
B.S., University of Mississippi School of Nursing.

KAREN MARGUERITE YARBROUGH, B.S., M.S., Ph.D. ..Associate Professor of Microbiology
B.S., M.S., Mississippi State University; Ph.D., North Carolina State University.

THOMAS DONALD YARNELL, B.A., M.A., Ph.D. .....Assistant Professor of Psychology
B.A., Fairleigh Dickinson University; M.A., Ph.D., Louisiana State University.

WALTER HARRY YARROW, B.S., M.A., Ed.D. .....Professor of Health and Physical Education
B.S., M.A.; Ed.D., University of Southern Mississippi.

[1]JAMES FRANCIS YESTADT, B.S., M.A. .....Assistant Professor of Music
B.S., Lebanon Valley College; M.A., Columbia University.

RAYMOND GUINN YOUNG, B.M.Ed., M.M.....Assistant Professor of Music Education and Director of Bands
B.M.Ed., M.M., University of Michigan.

MERTON STROEBEL ZAHRT, Mus.B., Mus.M., Ed.D. .....Professor of Music Education and Coordinator of Graduate Studies in Fine Arts
Mus.B., Lawrence College; Mus.M., University of Rochester; Ed.D., Columbia University.

1. Effective December 1, 1970
2. Fall Quarter only
3. On Leave, Fall and Winter
4. On Leave, 1970-1971
5. On Leave, Winter and Spring
6. On Leave, Fall Quarter
7. On Leave, Winter Quarter
8. Effective Spring Quarter
9. Effective December 14, 1970

STAFF MEMBERS

CATHERINE RHODES ADAMS .....Secretary to Dean of the University
WAYNE ARMSTRONG, B.S., M.A. .....Freshman Football Coach
JAMES ALTON BERRY, B.S. .....Assistant Football Coach
REBECCA BRECHTEL, B.S., M.S. .....Counselor, Basic College
KATHERINE INDIA BROWN, B.A., M.A. .....Coordinator of Armed Forces Education
EUGENE WARREN CLARK, B.S. .....Assistant Basketball Coach
ROBERT HAYS CLEVELAND, B.S. .....Sports Information Director
WALTER OLIVER CONN, B.S., M.S. .....Director of Student Aid and Scholarships
CHARLES HAMPTON COOK, B.S., M.A. .....Assistant Football Coach
BETTY GILLIS COOLEY, B.S. .....Cashier, Business Office
SALLY MOORE HINES, B.A.E., M.Ed. .....Assistant to the Dean of Women
LEE PAUL FLOYD, B.A. .....Head Basketball Coach
BAKER MOONEY FERRELL .....Director of University Commons
RICHARD MARSHALL FIELD .....Director of Personnel Services
ROBERT WILSON GALBRAITH, B.S., M.B.A. .....Director of Research and Projects
JESSE AUSTIN GORE .....Manager, University Bookstore
BILLY LEON GREEN, B.S., M.B.A. .....Director of Data Processing
MARGARET BARKER HARTFIELD, B.S. .....Graduate Records Clerk
ROBERT LEE HITCH, B.S. .....Assistant Football Coach
CECIL MARSHALL KLUTTS, B.S. .....Purchasing Agent
[1]ALMA SAUCIER LADNER, B.S., M.A., M.Ed. .....Assistant Director of Correspondence
WILLIAM T. MYERS, B.S.C.E. .....Supervisor of Buildings Maintenance
CHARLES B. McNEILL, B.S., M.S. .....Counselor and Academic Adviser, Basic College
DANNY WAYNE MONTGOMERY, B.S. in B.A. .....Assistant Registrar
GRACE LEWIS MOORE, B.S., M.Ed. .....Admissions Counselor
JESSIE HAGLER MORRISON, B.S. .....Executive Secretary, Office of the President
WILLIE VERNON OUBRE. B.S. .....Director of Campus Security
GEORGE BARNEY POOLE, B.S., M.Ed. .....Assistant Football Coach
CHARLES HAMILTON PROBST, B.S., M.A. .....V.A. Counselor
KENNETH ELMO SMITH, B.B.A., M.S., C.P.A. .....Chief Accountant
CHARLES RAYMOND STEPHENS, B.S., M.A. .....Assistant Football Coach
RICHARD CLARK STEINBERG, B.S. .....Assistant Football Coach
CELESTAIN JOSEPH PETER TAYLOR, B.S., M.S. .....Assistant Athletic Director and Head Baseball Coach
HARRY MILTON THOMAS, B.S., M.A. .....Associate Director of Physical Plant
P. W. UNDERWOOD, B.S. .....Head Football Coach
RHODA REYNOLDS WILLIAMS .....Director of Campus Post Office

1. Deceased. December 3, 1970

GENERAL INFORMATION

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Purposes

Application Procedures

Student Community

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GENERAL INFORMATION

Historical

The University of Southern Mississippi was established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College. Its original purpose was to train teachers for the rural schools of Mississippi.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House], and the President's Home), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 220.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only five presidents during the sixty years since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955.

As has been stated the University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27, 1962, the Legislature changed the name to the University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees of State Institutions of Higher Learning authorized the initiation of graduate work and the awarding of the Master of Arts. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959. Numerous other degree programs have been authorized during the past twenty years.

The administrative and academic organization of the University of Southern Mississippi is basic and relatively simple. This reorganization took place in 1957. The Dean of the University is responsible for the academic program. The Dean of Student Affairs is responsible for student affairs. The Financial Secretary is responsible for financial affairs and operations. The Director of Intercollegiate Athletics is responsible for the athletic program. The academic area of the University of Southern Mississippi is organized into the College of Education and Psychology, the College of Liberal Arts, the College of Science, the School of Business Administration, the School of Fine Arts, the School of Home Eco-

nomics, the School of Health, Physical Education, and Recreation, the School of Nursing, the Graduate School, the Basic College, and the Division of Continuing Education.

There has been a vast growth in the physical plant of this University since the end of World War II. When the present building program for which funds are available is completed, the total value of the institution will exceed thirty million dollars.

There has been a great increase in enrollment since the end of World War II. There were 303 students here in September, 1945, and 8,000 in September, 1970.

The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 27,504 degrees since the first one was conferred in 1922.

There has been a great improvement in the faculty during the past fifty-eight years. In 1912 only one member of the faculty had a master's degree. During the 1970-1971 session the University employed 395 full-time and 41 part-time faculty members, a number of the latter being teaching administrators. The doctoral degree was held by 212 faculty members.

Research has been strengthened at the University of Southern Mississippi in several ways: the number of doctoral degrees has been increased; the University has established its own scholarly journals—*The Southern Quarterly* and *The Southern Journal of Educational Research;* the Computer Center has been equipped to expediate contracts and faculty research; the Office of Research and Projects has been established by the University to promote research and to assist faculty members in their research activities; and the University of Southern Mississippi is a participating member of the University and College Press of Mississippi established on May 1, 1970. For further information on the University's research program, see the **Graduate Bulletin.**

The University of Southern Mississippi was established by the State of Mississippi, is owned by the State of Mississippi, and is operated and financed by the State of Mississippi. Its first Board of Trustees was established by the legislative act of March 30, 1910, and that board governed only this one institution. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the State voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi was founded for the purpose of serving the people of Mississippi. The University offers outstanding courses in liberal arts, education, pre-professional fields, fine arts, and many practical fields of knowledge. The faculty, library, laboratories, classrooms, special clinics, and student welfare services are equal to those in other colleges and universities in the United States.

Although the University is primarily concerned with resident teaching, it reaches, through various extension and resident centers, workshops, and the correspondence courses, citizens in all parts of Mississippi and in various other parts of the world.

The University is proud of the friendly relationship between students and faculty members, and an effort is made to work with students as individuals in their educational, social, and religious development.

The purposes of the University as developed by the administration and the faculty are as follows:

1. To have a highly trained faculty, an imaginative, sympathetic, and

understanding administration, an efficient and cooperative staff, loyal and active alumni, adequate equipment, and high academic standards.

2. To educate in the acquiring of knowledge, skills, disciplines, moral and ethical values and humanistic ideals, and in the attaining of a dignified, honest, and alert citizenship.

3. To base education on a sound and thorough understanding of the traditional and liberal areas of human knowledge.

4. To provide, together with counseling and guidance, a well-rounded program of activities for the purpose of developing in each student a well-balanced personality.

5. To provide areas of development in professional and vocational education in accordance with facilities of the University.

6. To develop in students the highest types of social graces.

7. To give each student an understanding of the nature and the fundamental problems of the physical world in which he lives and the moral and intellectual knowledge that will enable him to adjust himself to, or change, the environment in which he lives.

ADMISSION REQUIREMENTS AND PROCEDURES

Requirements for entering freshmen:

1. The applicant must be a graduate of an approved secondary school, with at least twelve units in college preparatory subjects such as English, foreign language, history and social studies, mathematics, and physical or biological sciences. A score of at least 15 on an appropriate sub-test of the American College Test may permit a waiver of the minimum requirement of units in a subject area.

2. The applicant must have a composite standard score on the American College Test of at least 15. No other test or tests may be accepted as a substitute for the American College Test without permission of the Director of Admissions.

3. An applicant who has not graduated from high school and who is at least twenty years of age may be admitted on the basis of successful completion of a general educational development test (high school level) if all other admission criteria are met.

Early Admission For Academically Talented Students: Students who have completed a minimum of 15 high school units but who have not been graduated from high school may be admitted to the University if they rank in the upper quartile of their high school class and in the upper quartile of the National Norms of the American College Testing Program composite scores, provided that they are recommended by an appropriate high school official.

Requirements for transfer students:

1. The applicant must be eligible to return, in good standing, to the institution last attended. Applicants who are on academic or disciplinary probation at other institutions, or who have been suspended from another institution, are ineligible for admission to the University of Southern Mississippi.

2. The applicant must present an academic average of at least C (2.00 on the four point grading system) in order to be admitted.

3. The applicant who presents fewer than sixty-four (64) quarter hours of credit for transfer must also present results of the American College Test.

4. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges.

Special, non-degree-seeking students in the regular University:

In rare instances where a student desires to take a limited amount of course work for a special purpose and not for a degree, the Director of Admis-

sions might grant permission as a special student. Inquiries should be directed to the Director of Admissions.

Limitation on Transfer of Credits:

Not more than ninety-nine (99) quarter hours or sixty-six (66) semester hours may be transferred from a junior college. If a transfer student has earned a total of ninety-nine (99) quarter hours in combined junior and senior college or other credits, no additional credit will be accepted from a junior college. No former students of the University of Southern Mississippi will be allowed to transfer credits earned at a junior college once they have earned a total of ninety-nine (99) quarter hours from all sources. In the 192-quarter-hour minimum requirement for a baccalaureate degree, at least ninety-six (96) hours must be earned in a senior college.

A maximum of ninety-six (96) quarter hours of credit earned through correspondence courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than forty-eight (48) quarter hours earned by correspondence and/or extension may be used.

Limitation on Acceptance of Military Credit:

1. No credit is awarded for the General Educational Development Tests, College Level.

2. No credit is awarded for completion of non-enrolled courses through the United States Armed Forces Institute. Only correspondence courses are accepted through that source.

3. Credit for educational experiences in the armed forces may be awarded on the basis of recommendations of the American Council on Education.

4. A maximum of ninety-six (96) quarter hours from military schools may be used toward a degree, provided the student has no correspondence or extension credit.

Requirements for military personnel: The "Bootstrap" Program:

Military personnel on active duty who attend the University on the "Bootstrap" program may complete degree requirements with forty (40) quarter hours of work on the Hattiesburg campus, provided all other degree requirements have been fulfilled. This amount of work may be done in two quarters (six calendar months), but many students attend on nine-month or year programs. Graduate students will, of course, have to attend for at least three quarters since they may transfer only nine (9) quarter hours from another institution.

In order to receive an official evaluation of credits to determine eligibility for "Bootstrap" attendance, the following educational credentials must be forwarded:

1. A properly executed military Form DD 295.

2. Official transcripts bearing the college seal from each institution previously attended.

3. Official transcripts of correspondence courses completed through the United States Armed Forces Institute, Madison, Wisconsin.

4. Official high school transcript.

5. An application for admission should be submitted with the request for evaluation.

All documents and correspondence should be directed to:

The Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 6
Hattiesburg, Mississippi 39401

Requirements for foreign students: regular University programs:

1. Foreign students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as freshmen with the exception of the American College Test requirement.

2. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students.

3. All applicants who are not citizens of an English-speaking country must furnish the Director of Admissions with a satisfactory score on the Test of English As a Foreign Language (TOEFL). A minimum score of 500 is required. Information about this test can be obtained from Educational Testing Service, Princeton, New Jersey 08540, USA. Because it normally requires several months to process all necessary documents, foreign students are urged to apply for admission as early as possible. A ten-dollar ($10.00), non-refundable fee must accompany the application for admission of each foreign student.

Requirements for foreign students: The English Language Institute

Students interested in attending the English Language Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

The Director of the English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

Correspondence Courses, Resident and Extension Centers:

Students interested in enrolling in correspondence courses or courses at resident and extension centers should write to:

The Dean of the Division of Continuing Education
University of Southern Mississippi
Southern Station, Box 55
Hattiesburg, Mississippi 39401

APPLICATION PROCEDURES

In making application for admission to the regular University the following procedures must be followed by the student:

1. For application materials write to:
   The Director of Admissions
   University of Southern Mississippi
   Southern Station, Box 11
   Hattiesburg, Mississippi 39401

2. Complete the application and personal data forms provided by the University of Southern Mississippi.

3. Furnish the Director of Admissions with one (1) copy of his final transcript directly from the source. If the student is applying for admission as a TRANSFER STUDENT, he must request the Registrar at each college or university previously attended to furnish the Director of Admissions with a transcript of his credits. An official transcript must be submitted from each college or university attended even though all of the credits may be posted to the transcript at the last institution attended.

4. Have scores on the American College Test sent to this office. All freshmen and transfer students with fewer than 64 quarter hours of college credit are required to submit scores on the American College Test.

5. Exceptionally well qualified students may submit their records for consideration at the end of their junior year of high school.

6. Eligibility for admission cannot be determined until the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the quarter for which the student is applying (see Calendar).

7. The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character in conformity with the generally accepted standards customarily in effect in the University.

8. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself and to the institution.

9. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the "Student Expenses" section of this **Bulletin.**

10. The University of Southern Mississippi does not discriminate on grounds of race, color, or national origin.

ORIENTATION

At the beginning of each quarter, a required orientation program is provided for all new undergraduate students. The Certificate of Admission, which is issued by the Director of Admissions, provides reporting instructions for the first orientation activity. All new students are expected to be prompt in reporting as directed on the Certificate of Admission.

The orientation programs are designed to acquaint students with the administrative officers of the University, the rules and regulations, the physical plant, and the registration procedure. In addition, new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study.

STUDENT COUNSELING

The Student Counseling Center provides many services without charge to the student. Many find that a visit to this office is invaluable in solving problems that arise in university living. Counselors are available to assist the student in choosing a college major, making a vocational choice, solving personal and social problems, overcoming educational deficiencies, and finding solutions to premarital and marital difficulties.

When appropriate, the student and the counselor may select tests to appraise abilities, interests, or personality characteristics. A library of educational and occupational information is maintained. College catalogs from other institutions and many books and pamphlets on educational and personal adjustment are also available.

Prospective students and applicants are invited to make an appointment for the purpose of obtaining information concerning the University and its numerous programs. An interview with a counselor prior to orientation and registration can aid the student in his transition from a previous school or college, employment, or the military service. Students transferring from another college or a junior college are encouraged to bring a copy of their college transcripts with them.

Counseling is usually initiated by the student. An appointment with a counselor may be made by phone (266-7119), in person, or by writing to:

Director of Student Counseling
University of Southern Mississippi
Southern Station, Box 75
Hattiesburg, Mississippi 39401.

The Student Counseling Center is located in Room 200 of the Student Services Center and is open from 8:00 A.M. to 12:00 Noon and 1:00 P.M. to 5:00 P.M. on week days.

THE STUDENT COMMUNITY
CAMPUS LIFE AND ACTIVITIES
STUDENT HOUSING

Resident Housing

Three thousand and ninety (3,090) spaces in airconditioned residence halls and one thousand and seventy-four (1,074) spaces in non-air-conditioned residence halls are available for students in sixteen (16) residence halls operated by the University. These include two residence halls just off campus (Elam Arms for men and Hillcrest for women) and Vann Hall, a residence hall for athletes. These three residence halls incorporate their own dining facilities. Elam Arms and Hillcrest have heated swimming pools. Jones, Pulley, Roberts, and Wilber are the other air-conditioned residence halls for women. Scott and Bond are the other air-conditioned residence halls for men. Hickman, Mississippi, Hattiesburg, Weathersby, and Bolton are the air-cooled residence halls for women. East Stadium and West Stadium are the air-cooled residence halls for men.

When students occupy rooms in a residence hall, they obligate themselves to pay for one quarter's room rent for that hall. Refunds for unused portions of room rent will be made only in case of withdrawal from the University. Residence hall fees are subject to change without notice. It is the responsibility of the student to determine the amount of fees for the residence hall to which he is assigned.

Each resident will be asked to contribute to the Residence Hall Fund which is used to maintain a TV, to pay for Homecoming decorations, courtesies, and other residence hall-sponsored activities.

All regularly enrolled undergraduate students under 21 years of age are expected to live in one of the residence halls, unless they are married or live with parents or legal guardian.

Assignments

Assignments of students to residence halls will be made when a student has been admitted to the University, and after the $15.00 deposit with an application for housing has been received by the Housing Office. Assignment of enrolled and former students will be made at the end of each quarter for the succeeding quarter. Roommate preference may be indicated on the application form, and, when possible, these preferences will be granted. However, the application is for accommodations in the residence halls and *not* for a specific room or roommate. Priority of residence hall assignments goes to enrolled and former students.

New students (freshman and transfer) will be assigned as applications are received and in order of date received.

Application should be made not later than 30 days prior to the first day of registration. Room assignments are made for new students upon arrival at the assigned residence hall at the beginning of the quarter. All residence halls will be open on the same day. New students must claim their room by 5:00 P.M. on the day the residence halls open. Rooms will be held for former students until 5:00 P.M. of the first day of registration.

Sorority members are expected to live in Wilber Hall, the Panhellenic Hall. Lodging in a fraternity house is avilable to the fraternity members and pledges. Arrangements are made directly with the fraternity.

Changes between residence halls are not permitted after the day before registration. However, room changes may be made within the residence hall

to which a student is assigned, *provided* the change has been *approved* by the Housing Staff member of that residence hall and officially arranged in the Housing Office *before* the change is made.

THE UNIVERSITY RESERVES THE RIGHT TO ENTER ROOMS FOR INSPECTION AND MAINTENANCE.

Residence hall room assignments are mailed at least 15 days prior to the first day of registration for the quarter applied for. Those applying after the beginning of this fifteen-day period will receive a room assignment by mail if possible. If it is too late to mail the assignment, it may be secured at the Housing Office on the day the residence halls open.

Cancellations

Any person cancelling his reservation 15 days prior to the first day of registration will be refunded the $15.00 deposit. Those failing to cancel prior to the 15 days will forfeit the deposit. Cancellations must be made in writing.

Any person failing to claim his room by the time indicated above will forfeit the deposit.

All checks or money orders for housing deposits should be made out to the University of Southern Mississippi and mailed to:

The Director of Housing
University of Southern Mississippi
Southern Station, Box 64
Hattiesburg, Mississippi 39401

Other information concerning housing is available in the Housing Handbook.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three-bedroom unfurnished units, are available on the campus for married students. A long waiting list exists each quarter. An applicant's position on the list is determined by the date of receipt of the application and deposit.

A quarterly housing fee is payable at the beginning of the quarter. The rent is due and payable at registration. A student obligates himself to the full fee for one-quarter's rent when he moves in, unless he withdraws from the University. A deposit of $15.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application is made.

Applications and brochures may be secured at the Pine Haven Office, or by writing to the Director of Housing.

FOOD SERVICE

All persons living in residence halls are expected to purchase a meal ticket for one of the food service facilities on campus. The University Commons serves well-planned, attractive meals. Special diets may be arranged at a small extra charge. Meal tickets for the Commons are available to all students in all residence halls except Hillcrest and Elam Arms. Residents of those two dormitories must purchase meal tickets for these dining halls. The meal ticket pays for meals beginning on the actual day of registration and continuing until the end of the quarter. No supper meal is served on Sunday evening. The students pay cash for meals during the period of orientation and prior to the actual day of registration.

HEALTH AND SAFETY SERVICES

The health and safety record of the University is an enviable one. The health education program, which aims at teaching each person how to assume responsibility for safeguarding his health, is supplemented by the health services which the University offers.

A medical examination blank is given the student at the time he applies for admission to the University. The student should have the medical examination done by his family physician and should return the completed medical examination form to the University along with his application for admission. It is urged that any defects noted in the examination be corrected prior to the beginning of the session in which the student will enroll. The University reserves the right to require a medical examination of any student at any time.

The University Clinic is a well-equipped infirmary in which the ordinary illnesses occuring during the University year, but not during the vacation or recess periods, are cared for by the University physicians and nurses. Students with more serious illnesses or injuries, or those in need of immediate surgery, are referred to the regular hospitals in Hattiesburg. Such serious illnesses, injuries, and operations, together with hospital and medical care in private hospitals, can not be the responsibility of the University. The Clinic services are available only to full-time students.

The University physicians have regular office hours for free consultation with students. A nursing staff is on duty twenty-four hours a day.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Campus Security. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Campus Security. Penalties are assessed for violation of regulations and persistent violators may be denied the privilege of operating an automobile on campus. Proof of financial responsibility (minimum insurance) is required to register your automobile.

STUDENT ACTIVITIES

STUDENT GOVERNMENT

The functions of the Student Government Association composed of all registered resident students at the University of Southern Mississippi are "to insure a continuous exchange of ideas and opinions between the students and the administration, to secure valuable training and experience in democratic self-government, to assume the fullest powers and responsibilities of self-government consistent with the constitution and laws of the State of Mississippi and the policies of the president of this institution, to promote the general student welfare, and to protect the herein enumerated rights of students."

There are three branches of student government: the legislative, the executive, and the judicial. The executive officers and the members of the legislative branch, the Student Senate, are elected by direct vote of the students. The justices of the Student Court are appointed by the President of Student Government subject to approval by the Student Senate.

Many functions of student government are carried out by standing committees, chief of which are the Committee on Social Life, the Elections Committee, and the Executive Committee.

The local government unit in each dormitory is called the Dormitory Council. These councils are coordinated by the Associated Men Students and Associated Women Students and regulate all matters relating to dormitory life.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. CONTEMPORARY, is-

sued twice yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories, essays, poetry, and art work. The DRAWL, a handbook for students, is published by the Student Government Association. The UNIVERSITY DIRECTORY, published by the University Union, a student staff, and an adviser, gives a complete list of telephone numbers and mail addresses of students, faculty, and staff of the University, together with a buying guide of the Hattiesburg and Gulf Coast areas.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely non-sectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Religious Federation unifies the activities of all religious groups on the campus.

It is composed of students from the entire University community and seeks to provide channels for worship and religious development. Religious Emphasis Day, services before Thanksgiving, Christmas, and Easter, films, forums, and debates are some of its sponored activities.

Organized denominational groups representing the Assembly of God, Baptist, Christian Science, Church of Christ, Episcopal, Jewish, Lutheran, Methodist, Orthodox, Presbyterian, Mormon, Unitarian, and Roman Catholic churches are active on campus. In addition, the Fellowship of Christian Athletes and the Intervarsity Christian Fellowship are two organizations which are active.

The office of the University Chaplain and Coordinator of Religious Affairs works with all campus religious groups in helping them to effect their ministeries. A dormitory ministry, non-credit courses, program speakers and resources are samples of its ministry.

Danforth Chapel is a place of prayer and meditation for all and is often used for worship services and weddings.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarship. Membership in Phi Kappa Phi is the highest recognition for scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded men students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta, for women, and Phi Eta Sigma, for men, are national honor societies which aim to encourage and reward high scholastic attainment among freshman students.

Academic Honor Societies—Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (medicine), Alpha Phi Omega (service), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Beta Beta Beta (biology), Delta Sigma Pi (business), CWENS (sophomore women), Gamma Beta Phi, Home Economics Club, Iota Beta Sigma, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literary), Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Pershing Rifles Honor Society, Phi Alpha Theta (history), Phi Beta Lambda, Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Phi Chi Theta (women-business), Pi Delta Phi (French), Pi Gamma Mu (social science), Pi Kappa Delta (forensics), Pi Omega Pi (business education), Pi Sigma Epsilon

(marketing), Pi Tau Chi (religion), Psi Chi (psychology), Scabbard and Blade Society (military), Sigma Alpha Eta (speech therapy), Sigma Delta Pi (Spanish), Society of Advancement of Management, Tau Beta Sigma (band).

Religious Organizations—Chi Alpha Delta XI, Association of Baptists Students, Episcopal Students Forum, Inter-Varsity Christian Fellowship, Student Religious Federation, Wesley Foundation, Westminster Fellowship, Newman Club.

Service Organizations—Botegha, Business Fraternity Council, Circle K Club, Collegiate Civinettes, Interfraternity Council, Junior Panhellenic Council, Le Cercle Francais, Little Sisters of Minerva, M Club, Panhellenic Council, Pen and Sword, Rho Epsilon, Rho Eta Sigma, Yellowjackets.

Other Organizations—Afro-American Society, American Independent Youth, Geographical Society of USM, Geology Club, HPER Club, Industrial Education Club, School of Business Administration Graduate Club, Sociology Club, Southern Gymnastic Club, Southern Journalism Society, Student National Education Club, Student Nurses Organization, United Party, University Activities Council, USM Pre-Law Club, USM Spirit Club.

Social Fraternities—Eight social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Tau Omega, Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Nu, and Sigma Phi Epsilon.

Social Sororities—Nine social sororities hold membership in the Panhellenic Council of the University. They are Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, and Sigma Sigma Sigma.

Dramatic, Musical, and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE, open to all students of the University, is the campus dramatic organization sponsored by the Department of Theatre Arts.

THE CHORAL UNION, composed of students from the entire University, meets one evening a week to perform the great works in choral literature, both sacred and secular.

THE OPERA WORKSHOP, open to all students of the University, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each quarter, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the State.

THE SYMPHONIC BAND, which gives several formal concerts each year of the finest and most difficult wind literature, is comprised of selected student musicians.

THE CONCERT BAND, open to all University students, plays a concert each Spring and serves as a laboratory band for new publications and for student composers and conductors.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," pre-

sents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

THE SYMPHONIC WIND ENSEMBLE is a select group of approximately fifty graduate and undergraduate musicians which reads and performs a large amount of literature, and serves as a laboratory for conducting students.

THE CHAMBER ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilizes programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BAND is a full-sized modern jazz ensemble which plays the latest arrangements of music in the big band contemporary idiom.

THE ROTC BAND, open by audition to freshman and sophomore ROTC students, provides music for ROTC functions.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University, gives a number of concerts each year in addition to assisting with oratorios and operas.

Scholarships in all these musical groups are available to talented students. Auditions may be arranged through the Dean of the School of Fine Arts.

THE DEBATE SQUAD, recognized as one of the nation's best, is open to all students.

WMSU, the University's own radio station, is an affiliate of NBC. The award-winning station encourages participation by any interested student regardless of major.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, and golf.

Seasonal intramural sports, under the supervision of personnel from the Department of Physical Education, give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, touch football, basketball, softball, badminton, volleyball, handball, track, and swimming.

The University golf course, tennis courts, swimming pool, playgrounds, and gymnasium facilities are available to all students.

R. C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the **R. C. Cook University Union**, which houses many of the student organization offices as well as offices of the Alumni Association. Students use the facilities of the University Union Building for games, music, enjoyment, social and religious activities, and other cultural and recreational purposes.

Operating from the Union is the University Information Center, which serves as a locating service for students twenty-four hours a day. The Union Building is open from 7:30 A.M. to 10:30 P.M. daily.

The Union provides for University students a complete program of activities planned and promoted through the University Activities Council.

The **University Activities Council** is made up of representatives from each campus organization. UAC activities include bi-weekly movies, dances, parties,

an annual Halloween Carnival, Welcome Dance, Charity Month, Campus Pac Distribution, and the sponsorship of "big name" entertainment.

The University Union, with its air-conditioned facilities, also serves as a conference and workshop center for the campus during the Summer Quarter.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; therefore **the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.**

Fees and expenses are in the form of incidental fees, room and board, and special fees.

INCIDENTAL FEE. This fee, together with the allocation from the legislative appropriation, is used for general support of the University and consists of charges for matriculation, library, textbook service, athletic activities, health service, University Union, University newspaper, laboratory, concert series, maintenance, administrative and academic salaries, etc. Athletic activities, health service, and newspaper are not included for part-time students.

Full-time students for purposes of assessing fees are as follows: Graduate School, nine (9) or more quarter hours; all other schools and colleges, twelve (12) or more quarter hours. Students enrolled for more than eighteen (18) hours will be assessed the applicable fee for each additional quarter hour. (Students training under Veterans Administration programs on the undergraduate level are required by the Veterans Administration to carry a minimum of fourteen (14) quarter hours for the entire quarter to receive full subsistence.)

Textbooks, except for textbooks in foreign language courses and certain other courses, are provided on a loan basis to all undergraduate students.

Clinical and hospital services covered by the health service charge included in the incidental fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled dormitories and those students living in fraternity houses. All students rooming in dormitories or fraternity houses are required to take their meals in the University Commons.

A room deposit of $15.00 is payable in advance for the reservation of space in the dormitories. This amount is held as a breakage deposit until a student withdraws from the dormitory.

A student accepting dormitory space will be financially obligated to pay the full quarter's room rent. A refund of the dormitory fee will be made only upon withdrawal from the University.

OTHER FINANCIAL INFORMATION. Fees of all students are due and payable at time of registration; however, fees of **full-time** students may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the quarter.

The University reserves the right to withhold readmission to a student until all delinquent accounts have been paid. Transcripts of credits will not be issued for students whose accounts are delinquent.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Security regulations, or any other policy establishing regulations for the protection of University property shall become collectible by the Business Office, and, if not collected, shall constitute a delinquent account.

Students who are permitted to register for correspondence courses in residence will be charged a fee of $8.00 per quarter hour.

A fee of $2.00 is assessed each quarter to all full-time students for operation of the University Union. A $1.00 fee is added to the incidental fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

A fee of $6.50 for **The Southerner** (University annual) is payable each school year by all full-time undergraduate students.

NON-RESIDENT STATUS. The Legislature of the State of Mississippi has passed the following legislation concerning non-resident status:

The board of trustees of each junior college in this state, the board of trustees of state institutions of higher learning, and the administrative authorities of each institution governed by said boards, in ascertaining and determining the legal residence of and tuition to be charged any student applying for admission to such institutions, shall be governed by the following definitions and conditions:

Legal residence of a minor. The residence of a person less than twenty-one (21) years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his person, duly appointed by a proper court of Mississippi, in which case his residence becomes that of the guardian.

Legal residence of an adult. The residence of an adult is that place where he is domiciled, that is, the place where he actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent.

Removal of parents from Mississippi. If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a non-resident student.

Twelve months of residence required. No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi for a continuous period of at least twelve (12) months immediately preceding his admission.

Residence in an educational institution not counted. A person who has entered the State of Mississippi from another state and enters an educational institution within twelve (12) months is considered a non-resident. For this reason, any period of time when such a person is enrolled in any educational institution in Mississippi may not be counted as any part of the twelve (12) months prerequisite to his admission to an institution of higher learning as a resident student. Even though he may have been legally adopted by a resident of Mississippi, or may have been a qualified voter, or a landowner, or may otherwise have sought to establish legal residence, such a person will still be considered as being a non-resident of Mississippi if he has entered this state for the purpose of enrolling in an educational institution.

Residence status of a married woman. A married woman may claim the residence status of her husband, or she may claim independent residence status under the same regulations, set forth above, as any other adult.

Children of parents who are employed by institutions of higher learning. Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the board of trustees may be classified as residents during the time that their parents are such faculty or staff members without regard to the residence requirement of twelve (12) months, for the purpose of attendance at the institution where their parents are faculty or staff members.

Aliens. All aliens are classified as non-residents.

REFUND POLICY. A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

a. A refund of 80% of incidental and special fees paid will be made to a student who withdraws within the week following the week of registration.

b. A student who withdraws for any reason prior to midterm of any quarter but after the week following the week of registration will be refunded 50% of the incidental and special fees.

c. A student who withdraws after midterm of any quarter will not be entitled to a refund of fees.

d. No adjustment of incidental and special fees will be made when courses are dropped after the week following the week of registration.

e. Room and board fees are refunded on the basis of full weeks remaining in the quarter.

TABLE I
EXPENSES EACH QUARTER

(All fees are subject to change without notice. See Page 54.)

FULL-TIME STUDENTS	
Fixed Fees	
Incidental fee	$159.00
*Room rent—air conditioned dormitory	100.00
Room rent—other dormitory	70.00
*Board	90.00
Other Fees When Applicable	
Non-resident fee	$200.00
The Southerner	6.50
Post Office box, per quarter	1.25
PART-TIME STUDENTS—Each quarter hour	
Incidental fee graduate student	$ 18.00
Incidental fee undergraduate student	14.00
Non-resident fee:	
Graduate student	23.00
Undergraduate student	17.00
*Note: Hillcrest (Room and Board)	$248.00
Elam Arms (Room and Board)	248.00
Vann Hall (Room and Board)	210.00

TABLE II
SPECIAL FEES AND EXPENSES

Departmental Fees:	
Elementary Education 480, 482, each	$ 20.00 per course

Home Economics Education 481, 482, 485, 486, each ..	10.00 per course
Special Education 480, 481, each	20.00 per course
Library Science 489	10.00 per course
Secondary Education 481A, B, G, H, I, J, K, L, M, P, R, S, T, each	20.00 per course

Music Fees—Private Lessons for other than full-time music majors:

1 quarter hour per instructor	$ 19.00 per quarter
2 quarter hours per instructor	36.00 per quarter
3 quarter hours per instructor	53.00 per quarter
Each additional supervised lesson	17.00 per quarter
Orchestral or Band Instrument rental*	6.00 per quarter

*This fee applies to music majors and minors as well as to other students.

Summer Conferences and Workshops:[1]

- Aviation Education Workshop
- Library Science Workshop
- Reading Conference
- School Lunch Managers Workshop
- Summer Music Camp

Reading Center, Individual Remedial Instructions:

Special Students (Non-credit)	$ 20.00 per 4-week period
Complete Reading Diagnosis	20.00 with written report
Re-evaluation.....	5.00

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims ..	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for University students per quarter	5.00

Examinations and Graduation:

Challenge Examination	$10.00	
Revalidation Examination	5.00	when applicable
Special Examination	3.00	when applicable
Graduation fee—Bachelor[2]	12.00	with application for degree
Certificate	2.50	when applicable

Continuing Education:

Resident Center		
Undergraduate Course	$12.00	per quarter hour
Graduate Course	16.00	per quarter hour
Resident Center—laboratory fee	6.00	per course
Resident Center—typing fee	5.00	per course
Extension Center		
Undergraduate course	10.00	per quarter hour
Graduate course	16.00	per quarter hour
Correspondence courses	8.00	per quarter hour
High school correspondence courses	20.00	per half unit

Registration and Records:

Change of Schedule	5.00	when applicable
Audit Fee (Non-credit)[3]		
Undergraduate Course	7.00	per quarter hour
Graduate Course	9.00	per quarter hour
Late Registration	$10.00	full load
	5.00	partial load

Application Fee for Foreign Students (Non-refundable)	10.00 with application
Memorandum of credits	.50 when applicable
Transcript of Credits	1.00 when applicable

[1]The fees for the above conferences and workshops will be listed in the brochures published for each conference. The conference and workshop fees do not include the assessment for incidental fee where University credit is desired, nor do they include the conference charge for room and board

[2]Requests for refund of this fee will be based on circumstances existing at the time of request in accordance with policy on file.

[3]An audit fee is charged when the student does not wish to receive credit in a course. Courses such as physical education activity courses, typing, shorthand, and Foreign Language 173, will be assessed at the full rate per quarter hour ($14.00 undergraduate, $18.00 graduate) even though the student registers as an auditor.

STUDENT AID AND SCHOLARSHIPS

The following information is a summary of the student aid and scholarship program. For further information and application forms, write to:

Director of Student Aid and Scholarships
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

APPLICATIONS. All applicants for student aid of any type must have been accepted for admission at the University before assistance can be granted. This does not preclude the submission of an application for assistance at the time application for admission to the University is made. Applications should be made before June 1st with one exception. Entering freshmen must apply by May 1.

PARENTS' CONFIDENTIAL STATEMENT REQUIRED

The University of Southern Mississippi participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. All students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement (PCS) form to the College Scholarship Service, designating the University of Southern Mississippi as one of the recipients, by April 15. The PCS form may be obtained from a secondary school, or the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540, or P. O. Box 1025, Berkeley, California 94704.

NOTE: The Parents' Confidential Statement alone is *not* an application for assistance. This statement is, however, a very important and necessary part of the application for the National Defense Student Loan, College Work-Study Program, and the Educational Opportunity Grant Program.

STUDENT EMPLOYMENT ON CAMPUS. Student jobs are awarded during the month of August (and as vacancies occur during the school year) to those students who have applied for them. Students work from ten to fifteen hours per week. Student employees are paid $1.60 per hour. These student employees (approximately 400) are an important part of the working staff of the University, and their work must be done in a highly efficient manner. Applications received after August 1 cannot be considered for the fall quarter.

OFF-CAMPUS EMPLOYMENT. Work in town is available to many students. Employers often call the University for part-time workers. Students who have applied for this type work are referred to them. Approximately

300 students hold part-time positions in the city of Hattiesburg. Salaries vary according to the position held. Applications for work in town are received at any time during the year. Referrals are made as requests are received from employers.

MERIT SCHOLARSHIPS. Merit Scholarships, based on scholarly ability, are available in all fields of study. They range in value from $100.00 to $500.00 for the nine months. Students who have demonstrated outstanding ability in any particular field of study are encouraged to apply for one of these scholarships.

REGIONAL MERIT SCHOLARSHIPS. Regional Merit (out-of-state) Scholarships are awarded to students of exceptional ability whose residence is outside the State of Mississippi. These scholarships are valued up to $600.00 for the nine months.

SERVICE SCHOLARSHIPS. Service Scholarships are based on skill and ability. These scholarships are available in band and music as well as in athletics and range in value from $100.00 to over $500.00 for the nine months.

LOAN PROGRAMS. Many loan programs, both short-term and long-term, are available to the student who desires to make use of them. The University administers several long-term funds such as the National Defense Student Loan Fund and the United Student Aid Funds Loan Program. Information concerning privately administered programs may be obtained by writing the Director of Student Aid and Scholarships.

COLLEGE WORK-STUDY PROGRAM

Title I, Part C, of the Economic Opportunity Act of 1964 initiated the College Work-Study Program to stimulate and promote the part-time employment of students in institutions of higher education who are from low-income families or are in need of the earnings from such employment to pursue courses of study at such institutions. Primary consideration is given to those students from low-income families. Additional information may be obtained by writing the Director of Student Aid and Scholarships.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants were authorized by the Higher Education Act of 1965. An institution may award an Educational Opportunity Grant to a student only if it determines that such student: (1) is a national of the United States for other than a temporary purpose and intends to become a permanent resident; (2) has been accepted for enrollment as a full-time undergraduate student, or is in good standing and in full-time attendance as an undergraduate student; (3) shows evidence of academic or creative promise and capability of maintaining good standing in his course of study; (4) is of exceptional financial need; and (5) would not be financially able to attend the institution without an Educational Opportunity Grant. A student who attends school part-time is not eligible for a grant. A grant **may not** be given to any student for study beyond the **first four** years of full-time study.

ROTC SCHOLARSHIP PROGRAM

ROTC Scholarships are awarded, on a competitive basis, to highly qualified, motivated male students who are seriously considering careers as Army Officers. See ROTC Scholarship Program, page 155. The Army ROTC Scholarship pays for tuition, textbooks, laboratory fees, and other purely educational expenses. In addition, the student receives a tax-free subsistence allowance of $50 per month for the duration of the scholarship.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions, and

donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the growth and development of **Southern**. The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at **Southern** so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing special equipment, making possible achievement awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University Scholarship Committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Mr. and Mrs. Fred Adams, Jr.,—Capable and deserving students.

R. G. Bigelow—High academic, junior, senior, or graduate student who plans to teach.

Kathy Brown—Sponsored by Pen and Sword, certain priorities.

Clyde C. Bryan—Music majors, sophomore or advance standing, good academic average, Baptist, financial need. Sponsored by Mr. and Mrs. J. D. Thomas of Hattiesburg. Two awarded.

Frank A. Cain Memorial—Capable and deserving student who has participated in student government.

Century Club—Scholarships for athletes.

Mr. and Mrs. A. F. Chisholm—Capable and deserving student.

Citizens Bank of Hattiesburg—Capable and deserving student with preference given to Forrest County and/or Mississippi.

Coast Federal Savings and Loan Association, Gulfport—Gulfport area student, Business.

Commercial National Bank and Trust Company, Laurel—Capable and deserving Jones County student.

Betty Dukes Craft—Sponsored by Forrest County Home Economics Alumnae and James K. Dukes, brother of Betty Dukes Craft. Outstanding student in Home Economics.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Jeanne Dixon—Recipient must be a Marketing major, have a good academic average, participate in Marketing activities, and have economic need.

W. R. Fairchild Construction Company—Capable and deserving students from Covington or Forrest County; and one in Accounting.

Faulkner Concrete Pipe Company, Hattiesburg—Merit and need.

First Federal Savings and Loan Association, Hattiesburg—Economics or Finance.

First Mississippi National Bank, Hattiesburg—Best interest of the University with preference to surrounding area students. Economic need a factor. Ten awarded.

First National Bank of Laurel—Awarded to a resident of Covington, Jasper, Jones, Perry, Smith, or Wayne County.

Mr. and Mrs. L. Y. Foote Endowment—Best interest of the University with economic need a factor.

Forrest County Alumni Chapter—Capable and deserving Forrest County students.
Bertha M. Fritzsche Graduate Fellowship—Outstanding student in Home Economics.
General Merit—Any student is eligible on merit basis; several given.
Gray-Mar Farms—Funds contributed are used to match other funds to provide scholarship loans for students.
Lester Haddox—Worthy and promising student from Marion, Amite, Lincoln, Pike, or Walthall County.
Hancock Bank, Gulfport—Junior or senior student residing in Hancock or Harrison County, majoring in Business Administration.
Mary Stuart Harmon Memorial—Outstanding student in piano.
Harrison County Alumni Chapter—Capable and deserving Harrison County students.
Hattiesburg Federal Savings and Loan Association—Capable and deserving student; given in memory of deceased directors.
Hercules Employees—Capable and needy student.
W. B. Harlan Memorial—Economic need, male student in Business Administration.
Alma Hickman—Capable and needy student.
1958 Class Endowment—Capable and needy student.
1959 Class Endowment—Capable and needy student.
1960 Class Endowment—Capable and needy student.
1961 Class Endowment—Capable and needy student.
1962 Class Endowment—Capable and needy student.
Scholarship Fund of the Sixties—Capable and needy student.
Jones County Alumni Chapter—Capable and deserving Jones County students; preference given to junior or senior students.
Mr. and Mrs. J. D. Lewis Endowment—Scholarship to be awarded on the basis of citizenship record, economic need, academic work, and Mississippian.
L & A Contracting Company—Capable and deserving student.
Lamar County Alumni Chapter—Capable and needy Lamar County student.
Laurel Federal Savings & Loan Association—To be awarded to a student majoring in finance, economics, or business administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson or Perry County who needs financial assistance.
Marion County Alumni Chapter—Honoring Doyle M. Coats and Miss Chrystelle Ford; to be presented to an outstanding Marion County student.
Sam Miller—Capable and deserving student.
Mississippi Association of Insurance Agents. To be awarded to a student in the School of Business Administration.
Mississippi Broadcasters Association—Radio-T.V.-Film major, resident of Mississippi, reasonable academic standing, financial need.
Movie Star Corporation—Capable and deserving student; preference given to children of employees.
William Walter Munson Memorial—Worthy boys and girls who are enrolled as regular students.
Music Merit—Music majors on merit basis.
"M" Club Alumni Loan—Loans for capable and needy children of former letter winners at Southern.
Nursing Scholarships—Capable and deserving students majoring in nursing.
George Robert Olliphant Memorial—Scholarships for needy and deserving students from Mississippi with preference to Enterprise or to Clarke County.
Paint Research Institute—Graduate fellowship in Chemistry.
Pan American Tung Research and Development League—Graduate fellowships in Chemistry.
Peck Oil Company—Capable and deserving Forrest County student.
Pi Omega Pi—Outstanding student in Business Education.

M. M. Roberts—Capable and deserving undergraduate student who is a Mississippian.

Security Savings & Loan Association of Bay St. Louis and Gulfport—Capable and deserving student from Hancock or Harrison County.

W. W. Stout Memorial—Creative student majoring in English.

Emmett V. Thomas—Capable and deserving students.

B. O. Van Hook Golf Scholarship—Scholarships for outstanding members of the golf team.

Paul Waldoff Memorial—Mississippian, economic need, Mathematics major.

Washington County Alumni Chapter—Capable and deserving students from Washington County.

Winn-Dixie Stores Foundation—Junior or senior, residence, and other requirements.

Ivah O. Wilber Panhellenic Scholarship—To be awarded annually to a sorority woman upon recommendation of the Dean of Women, the Panhellenic Adviser, and the Panhellenic Council in memory of the former Dean of Women and Panhellenic Adviser.

John Everett Williams Memorial—Sponsored by Jackson County Alumni Chapter-Outstanding students from Jackson County.

Yellowjackets—USM—Entering freshmen, academic promise; five offered.

LIBRARY

The Joseph Anderson Cook Memorial Library is a modern, two-story building completely fire-proof and air-conditioned. Of modular construction, it is arranged in four large divisional areas, each division containing its own current and bound periodicals, classified books, and other materials in the subject field. Book stacks to accommodate 400,000 volumes and reading areas for 1,400 students are intermingled throughout the Library, with the book stacks open to all. Special features are the study carrels, exhibit areas, a micro-reading area, typing room, bibliography room, and a rare book room. The Library Science Department is housed on the second floor of the building, as are the rooms containing Mississippiana and archives.

The Library is open from Monday through Friday from 7:45 A.M. to 10:30 P.M., Saturday from 8:00 A.M. to 6:00 P.M., and Sunday from 2:00 P.M. to 10:00 P.M.

THE SAM WOODS COLLECTION

The Sam Woods Collection, a gift of the late Sam E. Woods, alumnus of the University and a former consul general of Switzerland, is comprised of paintings, large Flemish tapestries, antique furniture, and rare books. In the collection are 230 paintings, including the *Holy Family* by Amigoni from the Stennis Collection, a Murrillo copy of the *Holy Family* from the Prado Gallery, and many Rembrandt and Durer etchings and woodcuts, as well as oils and water colors by contemporary German artists. They have been hung in the President's Home, the Library, and other main buildings throughout the campus. This collection of paintings is probably the largest in the state. Much of the furniture is of the Renaissance period.

The very valuable collection of more than 1100 early printed and fine press books includes several rare Bibles which have hand-carved bindings and which are illustrated by Durer and other artists. The collection also includes several atlases of the sixteenth and seventeenth centuries. Of special interest are approximately fifty beautifully illuminated pages from incunabula, as well as globes made before 1800 and maps of America and other countries made before 1700. This collection is housed in the Sam Woods Room in the Library.

CHILDREN'S LITERATURE COLLECTION

In 1966 Dr. Lena de Grummond began the establishment of a special col-

lection of children's literature in the University Library. The collection can be divided into two parts: (1) children's books published before 1900; and (2) the acquisition of manuscripts, original illustrations, sketches, and dummy books that have been used in the writing, illustrating, and publishing of contemporary children's books. Over five hundred persons, including many of the best known writers and illustrators of children's books of today, have contributed their original materials to the collection. It has developed so rapidly that the collection already contains over 7,000 drawings and illustrations, 2,500 photographs, 1,341 manuscripts, and 156 dummy books. Through manuscripts with their frequent revisions and the alterations between rough sketches and the completed illustrations there is a record of the creative process for some of the writers and illustrators of children's books.

THE ENGLISH LANGUAGE INSTITUTE

The English Language Institute, which has operated successfully under University sponsorship since its founding here in 1947 by the late Colonel Melvin G. Nydegger, is a vital part of the University. Each quarter, the Institute offers a ten-week orientation course to non-English-speaking people, with classes in the culture and customs of the United States and in the English language, including conversation, grammar, and composition. These courses are attended by business and professional people and students from Latin America and other countries who are accepted as international guests of the University.

Students enrolled in the English Language Institute receive over 300 hours of instruction during the ten-week period, using the latest teaching methods and materials including teaching machines and programmed texts, tapes, audio-visual aids, etc.

Both the Michigan Language Proficiency Test and the Educational Testing Service's Test of English as a Foreign Language are offered through the Institute at specified dates during the year. Any international student may take these examinations by applying in advance to the Institute or respectively to the University of Michigan or to the Educational Testing Service. For further information, write to:

The Director
English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

THE INTERNATIONAL STUDENT OFFICE

The International Student Office provides counseling and advisory services for international students who seek information, direction, and advice on all matters pertaining to student and exchange visitors' visas and student obligations to, and relationship with, the United States Immigration and Naturalization Service. AID, National Association of Foreign Student Affairs, the Cordell Hull Foundation, the Institute of International Education Programs, and other international programs are the concern of this office.

The International Student Office also coordinates summer school programs for North American teachers and advanced language students of Spanish and French in cooperation with the Instituto Politécnico Nacional of Mexico City and the College De Jonquiere in Quebec in cooperation with the Louisiana State Department of Education and the Council for the Development of French in Louisiana and the Americas.

For further information, write to:

The Director
International Student Office
University of Southern Mississippi
Southern Station, Box 5151
Hattiesburg, Mississippi 39401

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-1946, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and to help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the R. C. Cook University Union Building. These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

Two meetings of the general association are held each fiscal year, the first at the annual homecoming in the fall and the second at the Mississippi Education convention in Jackson.

At the 1954 Homecoming meeting, the association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to **Southern,** which gifts are, in turn, channeled into scholarships for the students.

PLACEMENT BUREAU

The function of the Placement Bureau is dual in nature. It provides assistance to graduating seniors, graduate students, and alumni in obtaining suitable employment, and to employers in recruiting qualified employees. The services are provided at no cost to the student or to the employer.

Throughout the year, current listings of employment opportunities, both in state and out of state, in teaching, business, industry, and government are made available to the students. Also, on-campus interviews are scheduled with personnel representatives from schools, businesses, industries, and governmental agencies. Students registered with the Bureau are notified of these interview schedules, and all who are interested are given the opportunity for individual interviews.

All seniors should register with the Placement Bureau and establish a confidential placement credential folder during the last quarter of their junior year, or the first quarter of their senior year. These placement credentials are very valuable to on-campus recruiters and to those who telephone or write for information about prospective employees. After graduation and/or when the registrant has found suitable employment, the placement file is stored, and may be quite helpful in later years if a registrant wishes to change employment or to enter graduate school.

The Director of Placement is directly responsible to the Office of the President of the University in the administration of the Bureau.

ACADEMIC ORGANIZATION AND REQUIREMENTS

Organization for Instruction

General Academic Regulations

Degree Requirements

A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the Basic College, the College of Education and Psychology, the College of Liberal Arts, the College of Science, the School of Business Administration, the School of Fine Arts, the School of Home Economics, the School of Nursing, the School of Health, Physical Education, and Recreation, and the Division of Continuing Education. Except for the Basic College and the Division of Continuing Education these are all degree-granting colleges and schools.

The entering freshman is admitted into the Basic College and remains there until he is able to meet requirements for admission into one of the degree-granting colleges or schools. While in the Basic College, which normally covers the freshman year, the student takes courses required in the common core curriculum (see Basic College) or an appropriate pre-professional program. In addition, he may take some courses required by the particular college or school from which he plans to graduate. He may also have room in his freshman schedule to begin course work toward a major or minor.

Transfer students may be admitted directly into the upper-level, degree-granting college or school provided they transfer the particular curricular prerequisites; otherwise, the transfer student is admitted to the Basic College until he can meet requirements for admission to a degree-granting college or school.

The University of the Southern Mississippi grants the following baccalaureate degrees:

from the College of Education and Psychology:

the Bachelor of Science "Professional" or teaching degree in

Early Childhood Education	(Kindergarten through grade three.)
The Middle Grades	(Grades four through eight.)
Elementary Education	(Kindergarten through grade eight.)
Secondary Education	(The student majors in a teaching area and minors in secondary education.)

the Bachelor of Arts non-teaching degree, with majors in
Architectural Technology, Library Science, and Psychology

Special Areas

the Bachelor of Science non-teaching degree, with majors in

Architectural Technology	Office Management
Industrial Technology	Psychology
Library Science	Executive Secretarial Studies

from the College of Liberal Arts:

the Bachelor of Arts
the Bachelor of Science

(Possible majors are noted under D below, and under each department in the College of Liberal Arts Section of this catalog.)

from the College of Science:

the Bachelor of Science

(Possible majors are noted under D below, and under each department in the College of Science Section of this catalog.)

from the School of Business Administration: (Possible majors are noted under D below, and under each department in the School of Business Administration Section of this catalog.)

the Bachelor of Science in Business Administration

from the School of Fine Arts:

the Bachelor of Fine Arts, with majors in

Art Education
Commercial Art
Dance
Drawing and Painting
Theatre
Three Dimensional Design

the Bachelor of Music, with majors in

Church Music
Jazz
Music History and Literature
Organ
Piano
String Instruments
Theory and Composition
Voice
Wind Instruments

the Bachelor of Music Education, with majors in

General Supervision: voice or piano
Instrumental Supervision

the Bachelor of Arts, with majors in Art, Dance, or Theatre

from the School of Health, Physical Education, and Recreation:

the Bachelor of Science, with majors in
Health and Physical Education or Recreation.

from the School of Home Economics: (Possible majors are noted under D below, and under each area in the School of Home Economics Section of this catalog.)

the Bachelor of Science

from the School of Nursing:

Bachelor of Science, with major in Nursing.

ADDITIONAL INFORMATION

To be eligible for any of these baccalaureate degrees, the student must complete:

1. The Basic College core curriculum
2. Any additional curricular requirements of the particular college or school in which he will graduate
3. Requirements for a major or majors and a minor (if a minor is required)
4. Any other specific requirement for the chosen degree, or the major or minor

Specific requirements for major and minors are outlined under each department in the Colleges and Schools Section of this catalog.

Academic Programs Currently Offered

The baccalaureate or undergraduate degree may currently be earned in any of the following areas of specialization. Graduate or post-baccalaureate degree programs are detailed in the **Graduate Bulletin.**

College of Education and Psychology

Architectural Technology
Audiology
Business Education
Elementary Education
Executive Secretarial Studies
General Science Education
General Speech Education
Industrial Arts
Industrial Technology
Language Disorders
Library Science
Office Management
Psychology
Secondary Education
Special Education
Speech Pathology

College of Liberal Arts

- Advertising
- American Studies
- Audiology
- Classics
- Communication
- Economics
- English
- French
- Geography
- German
- History
- Journalism
- Language Disorders
- Latin American Foreign Trade
- Latin American Studies
- Law Enforcement
- Linguistics
- Philosophy
- Political Science
- Public Address
- Radio-Television-Film
- Religion and Philosophy
- Social Studies
- Sociology
- Spanish
- Speech and Hearing Sciences
- Speech Pathology

College of Science

- Biology
- Chemistry
- Computer Science
- Environmental Science
- General Science
- Geology
- Mathematics
- Medical Records Librarian
- Medical Technology
- Microbiology
- Physics
- Polymer Science
- Statistics

School of Business Administration

- Accounting
- Advertising
- Economics
- Finance
- General Business
- Industrial Management
- Marketing
- Personnel Management
- Real Estate and Insurance

School of Fine Arts

- Applied Music
  - Organ
  - Piano
  - String Instruments
  - Voice
  - Wind Instruments
- Art
- Art Education
- Church Music
- Commercial Art
- Dance
- Drawing and Painting
- General Music Education
- Instrumental Music Education
- Jazz
- Music History and Literature
- Theatre
- Theory-Composition
- Three Dimensional Design

School of Health, Physical Education, and Recreation

- Health and Physical Education
- Recreation

School of Home Economics

- Child Development
- Clothing and Textiles
- Clothing Merchandising
- Food and Nutrition
- General Home Economics
- Home Economics Education-Extension Service
- Home Economics Education-Teaching
- Home Economics in Equipment
- Institution Management-Commercial
- Institution Management-Dietetics

School of Nursing

- Nursing

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A more detailed analysis of degree programs, majors, and minors is found under Section D of this part of the catalog.

B. GENERAL ACADEMIC REGULATIONS

1. Quarter System: The University of Southern Mississippi is on the quarter system which means that in one academic year, which begins with the fall quarter and ends with the summer quarter, a student may earn four complete quarters of credits. A normal quarter is eleven weeks in length and a quarter hour (credit) represents fifty (50) minutes of class time per week (laboratory periods are normally 100 minutes). To transpose semester hours to quarter hours multiply the semester hours by one and one-half. Thus a three semester hour course transfers as four and one-half quarter hours.

2. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for six class days. Beginning at 8:00 A.M. on the seventh day of scheduled class work all registration will cease for that quarter.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00) for a load of nine (9) quarter hours or more, and five dollars ($5.00) for a load of less than nine (9) hours.

The course load for which one can register will be reduced to twelve (12) quarter hours beginning with the fourth day of scheduled class work. An exception to this regulation may be made by the appropriate dean. Students registering for the second term of a quarter can not register for a full load after the second day of the new term.

3. Change of Schedule and Withdrawal from the University. A student may be allowed to drop a course through the 20th class day. A student dropping a course after this deadline will receive a grade of G or H. In rare cases, a dean may permit a student to drop a course after the deadline without penalty if extenuating circumstances exist. A fee of five dollars ($5.00) is charged for a change in registration after the regular scheduled registration period (see Calendar).

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of G (withdrawal passing) or a grade of H (withdrawal failing).

4. Load of Work: The normal student load is twelve (12) to eighteen (18) quarter hours.

Any undergraduate student who has completed his first quarter may take as many as twenty-one (21) quarter hours. A new undergraduate student may take as many as nineteen (19) quarter hours. Loads above these amounts must be approved by the student's dean.

Students who have maintained a place on the Dean's List or President's List for each of the two preceding quarters of their residence may take up to twenty-five (25) quarter hours of work during their next quarter of attendance with the approval of the appropriate dean.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Some faculty members allow no cuts (unexcused absences from class) while others may allow as many as four in a four-hour course. When students are absent to represent the University, their professors are so notified by the dean of the appropriate college

or school. When students are absent because of sickness or other acceptable reason, their professors are so notified by the Dean of Men or the Dean of Women. An absence on a day immediately preceding or following an official holiday is considered as two absences.

6. Examinations: Examinations will be held on the last four days of each quarter (see Calendar).

During the first term of the summer quarter, the last regularly scheduled meeting of a class will be used for examination purposes for that term's courses.

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the examination without valid reason approved by the Dean of the University forfeits credit for the quarter. Students will be charged a fee of $3.00 for special examinations unless excused by the appropriate dean.

7. Grading System:

A—indicates very superior work and carries 4 quality points per quarter hour.

B—indicates excellent work and carries 3 quality points per quarter hour.

C—indicates average work and carries 2 quality points per quarter hour.

D—indicates inferior to average work and carries 1 quality point per quarter hour.

F—indicates failure and carries no quality points. Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. A grade of F may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.

I —indicates an incomplete record. An I becomes an F if the work is not completed within the next twelve months, or, if the student is not in residence during all of the next twelve months, within the next quarter of attendance after the expiration of the twelve-month period. A grade of I may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.

G—indicates withdrawal from a course passing. No student will be allowed to withdraw from a course after twenty (20) scheduled class days except under unusual circumstances approved by the appropriate dean.

H—indicates withdrawal from a course failing.

Y—indicates acceleration, because of proficiency, to a more advanced course.

P—indicates a passing grade in non-credit courses or courses taken on a pass-fail basis.

Note: A faculty regulation provides that except in cases of obvious clerical error, a grade of A, B, C, D, or F may not be changed without permission given by the faculty in regular meeting.

Pass-Fail: Beginning with the Fall Quarter, 1970-1971, students may take courses either on a pass-fail basis or for a grade. Students must exercise their option at the time of registration and may not alter that option after the deadline for schedule changes. Courses elected on a pass-fail basis will be treated in the same manner as correspondence study and extension work. No more than forty-eight (48) quarter hours earned in correspondence study, extension work, or pass-fail courses, with a limit of twenty-four (24) quarter hours of pass-fail courses, may be applied toward a degree. No more

than twelve (12) quarter hours earned from the same department by correspondence study, extension work, or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to remove an F or an Incomplete. Such courses could not be a part of a prescribed degree program, i.e., core requirements, major, or minor.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as the student regularly enrolled. Courses taken for audit credit count as one-half the normal hours in determining a student's load. Some courses taken for audit carry full fees. See Special Fees Section of this catalog for information concerning the cost of auditing courses.

Computation of Grade-Point Averages: An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of twenty-four (24) quarter hours in order to improve his grade-point average. (That is, he may repeat one four-hour course six times, three four-hour courses twice each, six four-hour courses once each, etc.) Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of fifteen (15) quarter hours or more, provided they have no grade of D or below.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all A's) on a load of fifteen (15) quarter hours or more.

8. Academic Standards. The following standards for continuing in residence at the University of Southern Mississippi were approved by the Academic Council on June 12, 1967, and amended on June 19, 1967.

An undergraduate student will be allowed to continue in the University as long as he maintains the following grade point average on courses attempted at the University of Southern Mississippi:

Total Hours Attempted (Including transferred courses)	**Required Grade Point Average** (On USM credit only)
19 through 40	1.25
41 through 100	1.50
101 through 118	1.70
119 through 131	1.85
132 and above	1.95

The student will not be placed on probation prior to suspension. He will be suspended for the period following his failure to make the minimum scholastic standards. Notice of suspension will be carried on the end-of-quarter grade report. Total hours attempted will include credit undertaken at the University and credit transferred. The quality point average will involve only courses attempted at the University of Southern Mississippi and will not include transferred credit.

Appeals of students suspended under this policy will be directed to the dean of the college or school in which the student is enrolled.

The first suspension will be for at least one quarter, the second for at least four quarters, and the third suspension will be permanent.

Students on academic or disciplinary suspension may not attend any of the extension or resident centers of the University of Southern Mississippi.

9. Memorandum of Credits: A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty

cents each, except that upon request of the student one copy of the cumulative record will be supplied to the University of Southern Mississippi Placement Bureau without charge.

10. Classification of Undergraduates: A student is classified as a:
Freshman when he has less than 40 quarter hours of earned credit;
Sophomore when he has as many as 40 hours and less than 90 hours;
Junior when he has as many as 90 hours and less than 132 hours;
Senior when he has 132 or more quarter hours of earned credit;
Special student when he is not working toward a degree.

11. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 and above. Courses carrying numbers below 100 are non-credit courses. Undergraduate courses approved for possible graduate credit will carry the prefix G. Courses taken by extension will carry the prefix E, and by correspondence, C. Honors courses carry the prefix H, and courses taken in a terminal certificate program will carry the prefix T.

The department code number which is used at registration is listed by the department name.

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

12. Course Sequences and Related Sequences: Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Colleges and Schools Section of this catalog. Selection of the courses, as well as exceptions to the policy, is left to the department chairmen.

13. Challenge Examination; Under the following policy, and with the approval of the Dean of the University, departments may grant credit by examination in lieu of class enrollment:

A. The examination must be given by the department in which the course is offered.
B. The department chairman must be assured that the student has had some formal or informal learning experience which has prepared him for the examination.
C. Not more than forty-eight (48) quarter hours may be earned by examination.
D. Credit earned by examination may not be used in the residence requirement of forty-eight (48) quarter hours on the Hattiesburg campus.
E. The student must make application to the chairman of the department in which the course is offered. If approval is granted, the student will pay a $10.00 examination fee in the Business Office. The student then presents his receipt to the department chairman who will administer the examination.
F. If the student passes the examination, a memorandum must be forwarded to the Registrar giving the name of the department, course number, course title, grade, quarter hours, and date the examination was taken.

C. GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned

some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. **Hour Requirements:** An applicant for a degree must complete 192 quarter hours, including core requirements and major and minor requirements. Not more than twelve (12) quarter hours in physical education activity courses, and not more than four (4) quarter hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 192 quarter hours, ninety-six (96) must be earned in a senior college, and sixty-eight (68) of the ninety-six (96) must be in courses numbered 300 or above.

3. **Quality Point Requirement:** A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in correspondence courses, extension courses, pass-fail courses, and off-campus workshops do not carry quality points.

4. **Hour and Quality Point Requirements for Pre-Professional Degrees:** University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or Bachelor of Arts degrees in professional schools of medicine, medical technology, dentistry, or law on the following conditions:

(a) that 140 hours of credit and 280 quality points shall have been completed, with a minimum of three quarters and forty-eight (48) quarter hours of residence at the University of Southern Mississippi;

(b) that all core requirements for the degree shall have been completed;

(c) that credit and quality points shall be transferred back to the University of Southern Mississippi from the school of medicine, dentistry, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In the case of medical technicians, a certificate of graduation from a recognized school of medical technology must be presented. In any case a minimum of 192 quarter hours must be completed before the degree can be awarded;

(d) that the program leading to the degree shall be completed within two calendar years of the termination of the last quarter of residence at the University of Southern Mississippi, except that technicians will be allowed three calendar years after the last quarter of residence for the completion of the degree program.

5. **Residence Hour Requirement: Limitation on Correspondence Courses:** To become eligible for a degree at the University of Southern Mississippi, a student must meet the following residence requirements:

(a) He must earn at least forty-eight (48) quarter hours of credit in residence on the Hattiesburg campus of the University of Southern Mississippi.

(b) He must do the last quarter of work [sixteen (16) quarter hours] on the Hattiesburg campus. Any exception to this regulation must be recommended by the dean of the college or school in which the student is graduating, and must be approved by the Dean of the University.

(c) He must earn at the University of Southern Mississippi at least twelve (12) quarter hours of credit in his major field.

(d) Military personnel on active duty who are assigned to the University of Southern Mississippi on temporary duty under "Operation Bootstrap" may be permitted to qualify for graduation by completing a minimum of forty (40) quarter hours in residence, provided all other degree requirements are met.

A long-standing regulation provides that students will not be permitted to

do correspondence study while in residence. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Dean of the University. If a student takes a correspondence course during his last quarter of attendance, he may not register for a correspondence course after he leaves the campus with the expectation of completing requirements for his degree.

6. Basic College Core Requirements: The purpose of the Basic College core curriculum is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges and schools to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The core requirement of the Basic College, common to all degree programs, is itemized in the Basic College Section of this catalog.

One element of the core must be emphasized here:

Physical Education: Students are required to take three physical educational activity courses during the freshman year unless excused from the requirement by the University physician or the Dean of the Basic College. **Students who complete Military Science I (MS 101, 102, 103) are excused from this requirement.** Only one physical education activity course may be taken in any one quarter.

7. Exemption from Core Requirements: Students may be exempted from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of exemption does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. Transfer from Basic College to Upper-Level College or School: All undergraduates entering the University with less than forty-eight (48) quarter hours are assigned to the Basic College. In cases of transfer students having at least forty-eight (48) quarter hours as determined by the Admissions Office, the Director of Admissions will assign the student directly to the appropriate college or school with the understanding that deficiences must be made up on a schedule determined by the college or school concerned.

No student may remain in the Basic College after he has earned a total of ninety (90) quarter hours of credit. If a transfer has not been made from the Basic College when the student earns ninety (90) hours, he will be subject to dismissal from the University. Reinstatement to the University can be earned only by admission to a degree-granting college or school.

To transfer from the Basic College, a student must complete at least forty-eight (48) quarter hours and be in good standing. The student will initiate a transfer from the Basic College by filling out transfer application forms from the degree-granting college or school of his major choice. If a student is refused admission to a degree-granting college or school, he may appeal his case to the Dean of the University.

9. Change of College or School: Students wishing to transfer from one college or school of the University to another must make application to and be approved by the dean of the college or school into which they wish to transfer.

10. College and School Degree Requirements: In addition to the Basic College common core requirement, each degree-granting college or school may have its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major in the particular college or school. The additional upper-level requirements currently in force are itemized in the Colleges and Schools Section.

11. **Courses Numbered 300 and Above:** To become eligible for any baccalaureate degree, a student is required to complete a minimum of sixty-eight (68) quarter hours in courses numbered 300 or above.

12. **English Proficiency:** To become eligible for any baccalaureate degree, a student must pass a qualifying examination in English proficiency after becoming a junior. The examination is given on Thursday of the seventh week of each quarter, and it is to the student's advantage to take the examination during the first quarter of attendance after he becomes a junior.

13. **Quality Point Requirement for the Major and Minor:** A student must have a quality point average of at least 2.0 (a C) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a C, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of D were transferred and thereby raising the grades in those courses to the level required for a C average, or (b) striking from the transferred transcript courses in the major or minor field with grades of D, and taking additional courses in the major or minor at the upper division level to meet the University's degree requirement.

14. **Change of Major within a College or School:** Any student wishing to change his major within a college or school must secure the approval of the dean.

15. **Application for Degree:** A student is expected to file an application for a degree at least three quarters before degree requirements are completed. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing quarters. Filing three quarters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up any deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of twelve dollars ($12.00) has been paid at the Business Office.

16. **Approval of Faculty:** The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

17. **Degrees with Honors:** Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirement for such degrees is not less than five (5) quarters on the Hattiesburg campus with a load of not less than twelve (12) quarter hours in residence credit each quarter, and totaling not less than eighty (80) quarter hours of residence credit on the Hattiesburg campus. In computing this residence requirement, one six-week term will be counted as a half quarter when the load is six (6) hours or more. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

18. **Second Baccalaureate Degree:** The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least forty-eight (48) quarter hours with at least ninety-six (96) quality points. The forty-eight (48) quarter hours must be related to a specific major separate from the first degree major; and the forty-eight (48) hours must be completed after the first degree requirements are met.

D. SPECIFIC DEGREE REQUIREMENTS DETERMINED BY CHOICE OF SPECIALIZATION

In the baccalaureate degree's combination of breadth with depth, the major and minor fields are the concentrated areas of study in which the student achieves some depth of scholarship or specialization to complement the core requirement's breadth.

Following this general pattern of designating a major from an area of special interest, the student normally will choose his degree program and major as follows:

COLLEGE OF EDUCATION AND PSYCHOLOGY

The College of Education and Psychology degree programs are more complex than those of other colleges and schools, since the teacher-education curricula embrace courses in general education, professional, and subject matter areas to meet certification requirements.

Bachelor of Arts

The College of Education and Psychology awards the **Bachelor of Arts** degree (normally a non-teaching degree) with majors in:

Architectural Technology, Library Science, and Psychology

The College of Education and Psychology also awards two types of **Bachelor of Science** degrees, teaching and non-teaching.

Bachelor of Science (non-teaching)

The **Bachelor of Science** non-teaching degree in the College of Education and Psychology may be secured with a major in any one of the following fields:

Architectural Technology	Library Science
Executive Secretarial Studies	Office Management
Industrial Technology	Psychology

Bachelor of Science (teaching)

The **Bachelor of Science** teaching degree is awarded by the College of Education and Psychology. (Music Education, Art Education, and Home Economics Education are exceptions.) This degree may be had in the following areas: Early Childhood Education (kindergarten through grade three), The Middle Grades (grades four through eight), Comprehensive Elementary Education (kindergarten through grade eight), Secondary Education, and Special Areas.

The early childhood program requires one area of academic concentration; the middle grades and comprehensive elementary education programs require two areas of academic concentration (see the Department of Curriculum and Instruction Section of the catalog for details).

The Bachelor of Science teaching degree in secondary education requires a minor in professional education courses, with a major selected from one of the following fields (required hours are indicated where the total requirement is more than 36).

Biology
Business Education (40-48 hours)
Chemistry
Classics
Economics*
English (45 hours)
French

General Science (See Science Education Section of this **Bulletin.**)
General Speech
Geography*
German
History*
Home Economics (52 hours)**
Industrial Arts (45 hours)
Journalism
Mathematics
Physics
Political Science*
Psychology
Sociology*
Social Studies*
Spanish

*It is recommended that a student who is planning on teaching the social sciences select social studies as a major. This major prepares a student to teach all the subjects included in the social studies program. However, students majoring in economics, geography, history, political science, or sociology and minoring in secondary education may be certified to teach social studies if their degree program includes the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

**Home Economics majors will enroll in the School of Home Economics, but will also apply to the College of Education and Psychology for approval of their secondary education teaching program.

Special Areas

The **special areas** in which teacher-education programs are available, grades one through twelve, are:

Audiology***
Language Disorders***
Library Science
Special Education
Speech Pathology***

***Curricula for the audiology, language disorders, and speech pathology majors will be found in the Department of Speech and Hearing Sciences of the College of Liberal Arts. Any student preparing to become a Special Areas teacher in one of these major fields will enroll in the College of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the College of Education and Psychology.

Public school teachers may also be certified in the special areas of music education or art education (see under School of Fine Arts below).

School of Fine Arts
Art Education
Music Education

COLLEGE OF LIBERAL ARTS

A student seeking the **Bachelor of Science** degree in the College of Liberal Arts will select a major from among the following fields:

Advertising
American Studies
Audiology
Classics
Communication
English (45 hours required)
French
Geography
German
History
Journalism
Language Disorders
Latin American Studies
Latin American Foreign Trade
Law Enforcement
Linguistics
Philosophy
Political Science
Public Address
Radio-Television-Film
Religion and Philosophy
Social Studies
Sociology
Spanish
Speech and Hearing Sciences
Speech Pathology

The student seeking the **Bachelor of Arts** degree in the College of Liberal Arts will select a major from **any of the foregoing fields,** or from Economics or Latin American Foreign Trade. For the difference between Bachelor of

Arts and Bachelor of Science core requirements, see the Colleges and Schools Section.

COLLEGE OF SCIENCE

A student seeking the **Bachelor of Science** degree in the College of Science will select a major from among the following fields:

Biology
Chemistry
Computer Science
Environmental Science
General Science
Geology
Mathematics
Medical Records Librarian
Medical Technology
Microbiology
Physics
Polymer Science
Statistics

SCHOOL OF BUSINESS ADMINISTRATION

The student seeking the **Bachelor of Science in Business Administration** degree in the School of Business Administration will select a major from among the following fields:

Accounting
Advertising
Economics
Finance
General Business
Marketing
Industrial Management
Personnel Management
Real Estate and Insurance

SCHOOL OF FINE ARTS

The student seeking the **Bachelor of Fine Arts** degree in the School of Fine Arts will select his major from: art education, commercial art, drawing and painting, three dimensional design, dance, or theatre.

The student seeking the **Bachelor of Arts** degree will select as his major art or theatre.

The student seeking the **Bachelor of Music** degree will select his major from among the following:

Church Music
Jazz
Music History and Literature
Organ
Piano
String Instruments
Theory and Composition
Voice
Wind Instruments

The student seeking the **Bachelor of Music Education** degree will select his major from either:

General Supervision: voice or piano emphasis, or
Instrumental Supervision

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

The student seeking a **Bachelor of Science** from the School of Health, Physical Education, and Recreation will select his major from Health and Physical Education or Recreation.

SCHOOL OF HOME ECONOMICS

The student seeking the **Bachelor of Science** degree in the School of Home Economics will select a major from among the following areas of specialization:

Child Development
Clothing and Textiles
Clothing Merchandising
Food and Nutrition
General Home Economics
Home Economics Education-Extension
Home Economics Education-Teaching
Home Economics in Equipment
Institution Management-Commercial
Institution Management-Dietetics

THE SCHOOL OF NURSING

The **Bachelor of Science** degree will be in nursing.

E. MINOR REQUIREMENTS

In addition to the major, each student, where the degree program so requires, must also choose a minor (or else a second major). He should select his minor in consultation with his academic adviser. A minimum of twenty-eight (28) quarter hours is needed for the minor, with the quality point requirement as noted in paragraph C-13 above. Male students who complete the Advanced Course in Military Science (ROTC) are allowed to waive the requirement for an academic minor. The work taken in the major may not apply to the minor.

With certain exceptions, any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

A. A student working for a non-teaching degree must establish a minor (28 hours) chosen from the fields listed above as possible majors with two exceptions:

(1) A student may establish a minor for the non-teaching degree in general science by offering thirty-six (36) hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least twelve (12) hours from each field he chooses to include.

(2) To establish a minor in any field, a student must earn at least twelve (12) hours above the core requirements in that field.

B. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject field in addition to their major.

COLLEGES, SCHOOLS, AND DIVISION

Basic College

George Robert Olliphant University Honors Program

College of Education and Psychology

College of Liberal Arts

College of Science

School of Business Administration

School of Fine Arts

School of Health, Physical Education, and Recreation

School of Home Economics

School of Nursing

Division of Continuing Education

THE BASIC COLLEGE

NEIL R. McMILLEN, DEAN

Counselors: Rebecca Brechtel, Charles B. McNeill

All entering freshmen and all transfer students with fewer than forty-eight (48) quarter hours of college credit are enrolled in the Basic College and remain there until they can meet requirements for admission into a degree-granting college or school of the University. The Basic College, therefore, serves as the primary advisement and administrative unit for freshmen and other undergraduate students who have not been admitted into a degree-granting college or school.

Three academic programs are provided for Basic College students: (1) a general education program consisting of a core curriculum for students who seek baccalaureate degrees; (2) pre-professional curricula for students who plan to transfer to professional schools for specialized degrees; (3) a two-year terminal program in secretarial training for students who do not wish to pursue baccalaureate degrees. The quarterly schedules and course requirements of students during their enrollment in the Basic College are determined by their chosen programs from those listed above.

The General Education Program

The general education core is outlined below and should be used as a guide for Basic College students who have not selected majors. The student with a major or interest area should follow the Basic College program for the appropriate college or school.

The General Core Curriculum

The purpose of the core curriculum is two-fold: to give all University students a common cultural experience and to extend this experience over a wide range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests. Courses included in the core follow:

English 111 112, 113	12
Humanities and Fine Arts*	12
Twelve hours from the following areas with no more than eight hours from any one area: literature, allied arts, history, philosophy.	
Social Sciences*	12
Twelve hours from the following areas with no more than four hours from any one area: economics, geography, psychology, sociology, political science.	
Mathematics	4
Science*	8
Physical Education or Military Science**	3
Total	51

Please note that in addition to the Basic College Core Curriculum outlined above, a degree-granting college or school will have additional requirements. These additional requirements together with core requirements are described below and in the introduction to each college and school in the Bulletin.

*For recommendations and requirements in these areas, the student should consult the appropriate section below and the introduction to the appropriate degree-granting college or school which he plans to enter.

For required courses in this area, students should consult the sections of the **Bulletin pertaining to physical education and military science. Students participating in varsity athletics, Marching Band, Dixie Darlings, or Pom Pon Girls may substitute this for required physical education.

COLLEGE OF EDUCATION AND PSYCHOLOGY

In addition to the Bachelor of Science degree, the College of Education and Psychology offers the Bachelor of Arts degree in some teaching and non-teaching areas. Students interested in pursuing the Bachelor of Arts degree in the College of Education and Psychology should consult the chairman of the department involved for further information and assistance.

The student should consult the programs developed in the College of Education and Psychology Section of the catalog for courses to be taken while enrolled in the Basic College.

Elementary Education

Students preparing to teach in the elementary schools may take a program designed for certification for kindergarten through grade three, grade four through grade eight, or kindergarten through grade eight. The programs consist of general education requirements and professional requirements. The general education requirements are shown below:

	Hours
English	20
History 101 and 102 or 111 and 112	8
Social Sciences	12
One course from three of the following: Political Science 101, Sociology 103, Geography 103, Economics 200, 255 or 256	
Science	16
Eight hours of physical science and eight hours of biological science are recommended although four hours in either area with twelve hours in the other area are acceptable. Fundamentals of Science 104, 105, 106, and 107 are acceptable.	
Psychology 201	4
Mathematics 100 and 318	8
Public Address 101	4
Health 179	4
Physical Education or Military Science	3

Secondary Education

Students preparing to teach at the secondary school level should complete the following core and school requirements during their freshman and sophomore years:

	Hours
English	16
History 101 and 102 or 111 and 112	8
Science	16
Biological Science—8 hours	
Physical Science—8 hours	
Science majors must take laboratory sciences and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science.	

	Hours
Mathematics	4
Social Science	8
Elect two courses from the following: Economics 200 or 255, Sociology 103 or 201, Geography 103, Political Science 101.	

Other Courses	16
Health 179, Public Address 101, Psychology 201, and Allied Arts 100.	
Physical Education or Military Science	3

Non-Teaching Degrees (Bachelor of Science)

The **College of Education and Psychology** offers non-teaching degrees in psychology, library science, office management, executive secretarial studies, and industrial technology. The requirements for these non-teaching degrees for freshmen and sophomores are listed below:

	Hours
English	16
History	8
Science*	12
Mathematics	4
Social Science	12
Three courses from the following: Economics 200 or 255, Political Science 101, Sociology 103 or 201, Geography 103.	
Other Courses	12
Allied Arts 100, Public Address 101, Psychology 201.	
Philosophy 101 or 210 (Psychology majors only)	4
Physical Education or Military Science	3

*Biology or physics recommended for psychology majors.

COLLEGE OF LIBERAL ARTS

Bachelor of Arts Degree	Hours
English	20
English 111, 112, 113 and eight hours from courses of sophomore level or above.	
History	8
Other Courses	16
Four hours from each of the following areas: geography, sociology, political science, philosophy.	
Science	8
Mathematics	4
Foreign Language*	8-16
Physical Education or Military Science	3

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing eight quarter hours at the 200 level or above.

Bachelor of Science Degree	**Hours**
English	16
History	8
Science	16
May include Fundamentals of Science	
Mathematics	4
*Other Courses	28
Includes the following areas with four hours from each area: political science, geography, sociology, psychology, philosophy, allied arts, economics.	
Physical Education or Military Science	3
*Students who certify to teach must also include PA 101 and HTH 179	

Note: Foreign Language may be required for the Bachelor of Science degree in the College of Liberal Arts upon the option of the department involved.

COLLEGE OF SCIENCE

Bachelor of Science Degree	Hours
English	16
English 111, 112, 113, and 332.	
History	8
Science	24
May include Fundamentals of Science but must include at least 12 hours of laboratory science.	
Mathematics	12
Other Courses	16
Includes the following areas with no more than four hours from any one area: political science, geography, sociology, psychology, philosophy, allied arts, economics.	
Physical Education or Military Science	3

Note: Foreign Language may be required for the Bachelor of Sciences degree in the College of Science upon the option of the department involved.

SCHOOL OF BUSINESS ADMINISTRATION

Freshman Year	Hours
English 111, 112, 113	12
Social Sciences	4
To be selected from geography or political science	
History	8
History 101 and 102 or History 111, 112 recommended	
Mathematics 101, 112	8
Science	8
Biology, chemistry, fundamentals of science, geology, or physics	
Liberal Arts and the Science electives	8
Public Address 101 is recommended	
Physical Education or Military Science	3

Sophomore Year	Hours
Humanities and Fine Arts	8
To be selected from literature, allied arts, philosophy	
Social Sciences	8
To be selected from psychology and sociology	
Liberal Arts and the Science electives*	8
May include Health 179*	
Economics 255, 256	8
Accounting 201, 202, 203	12
Accounting majors may delete Accounting 203 and go directly into Accounting 301.	
Finance 290 or Computer Science 210	4

*Advertising majors must take JOU 341 and 342.

SCHOOL OF FINE ARTS

Inasmuch as the requirements of the **School of Fine Arts** will differ for the various majors, and the sequence in which students take their course work is fixed for each year, no attempt is made here to show the combined core and school requirements. Students interested in being admitted to the **School of Fine Arts** should follow the detailed outline for the freshman and sophomore years found in the Fine Arts Section of the **Bulletin.**

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

Inasmuch as the requirements of the School of Health, Physical Education,

and Recreation differ from the various programs, no attempt is made here to show the combined core and School requirements.

Students interested in being admitted to the School of Health, Physical Education, and Recreation should enroll in Physical Education 379 (**Introduction to Health, Physical Education, and Recreation**), and consult with faculty advisers of their School as soon as practicable after enrollment in the Basic College.

SCHOOL OF HOME ECONOMICS

The core curriculum for Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the **School of Home Economics.**

	Hours
English 111, 112, 113	12
Humanities and Fine Arts	12
History 101 and 102, or 111 and112, Art 111	
Social Sciences	12
Political Science 101, Sociology 103, Psychology 201.	
Science	8
Refer to major in Home Economics Section of the **Bulletin** for specific requirements.	
Mathematics 100 or 101	4
Students taking chemistry must take Mathematics 101.	
Other Courses	8
Health 179 and Public Address 101	
Home Economics	16
Child Development 139*, Clothing and Textiles 126** Food and Nutrition 137 and 285***, Home Economics Education 122*.	

*Not required of transfer students or students majoring in institution management-commercial.

**Not required for students majoring in institution management-commercial.

***For institution management-commercial.

SCHOOL OF NURSING

In 1966 the Legislature of the State of Mississippi authorized the University of Southern Mississippi to create a **School of Nursing.** Basic College students who plan to enter the **School of Nursing** should complete the courses shown below during their freshman and sophomore years:

	Hours
English 111, 112, 113	12
Chemistry 101, 102, 103, or 121, 122, 123, and 251, 252, 253	24
Biology, 101, 102, 228, 229	16
Mathematics 100, 101, or 112	4
Public Address 101	4
Political Science 101, or Economics 200, or Geography	4
Sociology 103, 208	8
Psychology 201	4
History 101 and 102, or 111 and 112	8
Health 333x and 343xx	4
Nursing 110, 111, 112, 210, 211, 212	6
Physical Education or Military Science	3

Pre-Professional Curricula

In addition to its own degree programs, the University of Southern Mississippi provides pre-professional training for students who plan later to enter the fields of medicine, dentistry, medical technology, pharmacy, law, and engi-

neering. Recommended pre-professional curricula are outlined below. Pre-professional programs may also be arranged with individual students through their academic advisers in such fields as architecture, forestry, social work, veterinary medicine, or the ministry.

ALLIED HEALTH PROFESSIONS

Students interested in pre-medical, pre-dental, medical technology, and medical records programs should consult the College of Science Section of the **Bulletin.**

RECOMMENDED PRE-LAW PROGRAM

Adviser: Dr. Wilber

The requirements for admission to accredited law schools vary. Some schools require only three years of pre-law study, but many require completion of degree programs. The pre-law student should obtain a catalog of the law school where he intends to study and use it in planning his program. Law schools expect the pre-law student to emphasize content subjects rather than skill subjects. All schools require that their students be able to express themselves well in written composition, so a student who is weak in composition should take extra courses.

The program at the University of Southern Mississippi is divided into two parts, and the pre-law student should select one.

A. The student may earn a regular baccalaureate degree from the University of Southern Mississippi.

B. The student may earn a degree from the College of Liberal Arts by completing three years of pre-law study and transferring back a year of work from the law school after it is completed. Under this program the following requirements must be met:

1) A minimum of 140 hours with 280 quality points in pre-law courses must have been completed, with at least four quarters of residence at the University of Southern Mississippi.

2) All core requirements must have been met for the College of Liberal Arts

3) At least one year of law school work must be transferred back, the marks for which must average C or better. The combined total of hours at the University of Southern Mississippi and those transferred back from law school must equal 192 or more. The work from the law school must be transferred back within two years of leaving the University of Southern Mississippi.

The student's attention is invited to the following courses that might be especially helpful in preparing for law school:

History 411, 469, and 470.

Political Science 407, 412, 414, 434, and 485.

Public Address 101

The student should notice that most law schools now require an applicant for admission to have taken satisfactorily the Law School Admission Test. Some schools want this to be taken nine months before entering law school. The pre-law adviser can inform a student of the dates and places where this test is given, but the student must arrange for taking it.

RECOMMENDED PRE-ENGINEERING PROGRAM

Advisers: Munn, J. Wood

The following curricula are set up to meet the requirements for admission to most engineering schools. The student should note that in each of the pre-engineering programs there are several electives allowed.

A catalog from the selected engineering school should be consulted before the elective courses are chosen and the physical education or military science option for the first year program is made.

Courses that are acceptable at many engineering schools are English 210, 215, 219; Economics 200; Public Address 101; Philosophy 203 or 300; Sociology 103; Psychology 201, History 101 and 102 or 111 and 112.

FRESHMAN YEAR PROGRAM FOR ALL ENGINEERS

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
MAT 171	4	MAT 276	4	MAT 277	4
ENG 111	4	CHE 102	5	CHE 103	5
CHE 101	5	ENG 112	4	ENG 113	4
ITE 121	3	ITE 122	3	Elective	4
MS or PE	1	MS or PE	1	MS or PE	1
	17		17		18

CIVIL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Elective	4	MAT 379	4	MAT 405	4
MAT 378	4	PHY 202	5	PHY 203	5
PHY 201	5	Electives	8	GLY 101	4
ITE 325	5			Elective	4
	18		17		17

CHEMICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
MAT 378	4	MAT 379	4	MAT 405	4
PHY 201	5	PHY 202	5	PHY 203	5
CHE 304	4	CHE 305	4	Elective	4
ITE 325	5	Elective	4	CHE 405	5
	18		17		18

ELECTRICAL AND MECHANICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Elective	4	MAT 379	4	MAT 405	4
MAT 378	4	PHY 202	5	PHY 203	5
PHY 201	5	Electives	8	Elective	4
ITE 136	4			ITE 325	5
	17		17		18

Secretarial Training

The two-year program in secretarial studies is a terminal program for students who wish to prepare for secretarial employment but who do not wish to pursue a baccalaureate degree. The program leads to a specialized certificate in secretarial training. Required courses are shown below:

	Hours
English 111, 112, 113	12
Public Address 101	4
Mathematics 100 or 101	4
Physical Education 167, 168, 169	3
Social Studies—Elect one course from the following for four hours	4
Political Science 101, History 101, History 102, Sociology 103, Geography 103, or Psychology 201	
Business Education 101, 102, and 310*	12
Business Education 201, 202, 305, 371, and 372*	20
Business Education 300	4
Business Education 352	2
Business Education 354	2
Business Education 385	4
Business Education 450	4
Business Education 460	4
Accounting 201 and 202	8
Economics 255	5
Finance 310	4
Elective	4
Total	99

*A student who has had one year of typewriting in high school will start his program with BED 102, and a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 256, ACC 203, MKT 300, CIF 334, or the social studies courses listed in the general education requirements.

Academic Advisement

The Dean of the Basic College assigns all Basic College students to faculty advisers who work with students during fall orientation, provide assistance in schedule planning each quarter, and provide general academic information as requested by students. Adviser assignments are made on the basis of anticipated majors or interest areas with special advisers for students who have not selected majors. Regular faculty members with interests and abilities in working with students are chosen to serve in this capacity. Students, in turn, are encouraged to consult their advisers as needed and are required to consult them at least one time each quarter for schedule planning. **The quarterly schedule of a Basic College student must be approved in writing by his assigned adviser before he is permitted to register for that quarter.**

Academic Policies

Basic College students will be expected to schedule classes on the basis of availability. **Students will be expected to include late afternoon and evening classes in their schedules as deemed necessary by the University.**

1. Schedule Changes. Upon completion of regular registration and payment of fees, Basic College students will not be permitted to change their schedules without adequate justification. Part-time employment arranged after registration, early failing grades, and fear of failure are not adequate reasons for changing schedules. With the exception of class conflicts and unusual illnesses, there is little justification for schedule changes at the Basic College level.

2. Military Science and Physical Education. Women students are required to complete Physical Education 167, 168, and 169 unless excused for medical reasons. Men students may elect either Physical Education 164, 165, and 166 or Military Science 101, 102, and 103 unless excused for medical reasons. Medical exemptions are determined by the University physican and the Dean of the Basic College upon recommendations from the family physicians of

students. Students participating in varsity athletics, the Marching Band, the Dixie Darlings, or the Pom Pon Girls may substitute these activities for required physical education. Veterans are exempt from both physical education and military science requirements but must submit copies of Form DD 214 to the Admissions Office for proper evaluations and recordings.

3. Transfer from Basic College. Students assigned to the Basic College may transfer to a degree-granting college or school upon completion of forty-eight (48) quarter hours of credit and if they are in good standing academically. Students must transfer prior to the completion of ninety (90) quarter hours or be subject to withdrawal from the University. Upon completing the transfer requirements, the student initiates a transfer to the college or school of his choice by obtaining an application from the dean of that school, completing the application as directed by that dean, and returning the completed application to that dean.

THE GEORGE ROBERT OLLIPHANT UNIVERSITY HONORS PROGRAM

William H. Hatcher, Director

Wallace G. Kay, Curriculum Director

The George Robert Olliphant University Honors Program, currently enrolling approximately one hundred students, attempts to stimulate and to satisfy the superior student by providing (1) special sections in the general education courses required of all students, (2) schedule privileges for remaining courses, (3) a four-year Honors Colloquium, and (4) opportunity for individual study during the junior and senior year.

Honors graduates receive the distinction, written on their diplomas, of being Honors Program Graduates in the departments of their majors. If their academic average is high enough, they also receive the distinction **summa cum laude** (3.8 overall average) or **magna cum laude** (3.5 overall average), based on a 4.0 point average as a perfect record of all A's.

BASIS FOR SELECTION

To be eligible for application to the George Robert Olliphant University Honors Program, students must meet the following minimum requirements:

High School Average of 80
American College Test Composite of 25
Personal interview with University Honors Council representatives
A satisfactory extemporaneous essay
Rating by principal and two teachers

HONORS COURSES (H—001)

Honors 111, 112, 113—**Honors Colloquia.** Four hours each.

Honors 201, 202, 203, 301, 302, 303, 401, 402, 403—**Honors Colloquia.** One hour each.

Honors 492—**Senior Honors Project.** Four hours.

Honors 311, 312, 411, 412—**Directed Study.** Four hours each.

Astronomy H301, Biology H382, History H102, Political Science H101, English H111, English H113, English H210, English H215, English H219, Mathematics H101, Sociology H103, Philosophy H210, Psychology H201. Four hours each.

COLLEGE OF EDUCATION AND PSYCHOLOGY

Eric M. Gunn, Dean
Walter E. Cooper, Assistant Dean

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education. For details of graduate teacher-education programs, consult the **Graduate Bulletin.**

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in library science, architectural technology, industrial arts, office management, executive secretarial studies and psychology (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher-education programs that meet requirements for Mississippi certification.

ADMISSION REQUIREMENTS

1. Completion of forty-eight (48) quarter hours in the Basic College.
2. A 1.5 quality point average on all courses undertaken.
3. A C average in Freshman English. (If this is not met English 332 is required.)
4. An application for admission must be made to the College of Education and Psychology and approved by the Dean of the College. The application must show all college work completed, quality point average, and a **planned program for each quarter the student expects to be in the College of Education and Psychology**. In addition to the above, the student must indicate a major and a minor if required. A student enrolled in the Basic College of the University of Southern Mississippi will file a completed application for transfer from the Basic College. Transfers into the College of Education and Psychology from other colleges will be given tentative approval based upon an evaluation of the transcripts filed with the Admissions Office. Upon coming to the campus for registration, each transfer student will be required to file the program plan for each quarter required to complete his degree. When this is done the student will be given final approval for admission, clearing him for registration. (See instructions for filing applications and programs.)

Criteria for Admission to Teacher Education Programs

All applicants for admission to a program leading to teacher education certification must be approved by the **Screening Committee.** Students desiring to pursue a teacher education program should make application for admission during the first quarter they are enrolled in the College of Education and Psychology.

Criteria which must be met for tentative approval include the following:

1. an overall 2.0 grade point average
2. at least a "C" average in first year English
   (if this is not met English 332 is required)
3. acceptable physical health status
4. emotional stability
5. satisfactory personal characteristics

6. never have been convicted of a felony

Each applicant whose credentials satisfy the above criteria for general screening will be referred to the selected major department sub-committee for additional screening. The sub-committee will screen those individuals referred to it and further determine their fitness to pursue a teacher education program in the selected major area. The decision of the sub-committee will be reported back to the **Screening Committee.**

The **Screening Committee** will give final approval or disapproval of the applicant to pursue a teacher education program and notify the department chairman. If an applicant is not approved for a teacher education program, an appeal may be made to the **Screening Committee** for further evaluation.

TEACHER-EDUCATION PROGRAMS AND REQUIREMENTS

No program in teacher-education is available to the student still enrolled in the Basic College. The student must be admitted to an upper-level college or school of the University and must be approved for a teacher-education program by the Dean of the College of Education and Psychology before entering upon the program.

Students enrolling in the College of Education and Psychology to seek a teaching degree must complete, in addition to the core requirements, the additional requirements of the College and the special requirements for the major and minor in teacher-education programs. These requirements are detailed in the Curriculum and Instruction Section of the catalog.

Students preparing to teach must choose a teaching area from one of the following:

Early Childhood Education (K-3)
The Middle Grades (4-8)
Comprehensive Elementary Education (K-8)
Secondary Education (High School)
Special Areas (see below)

To prepare for a career in secondary education the student will major in an academic area and minor in secondary education, following the secondary education curriculum recommended below.

The academic majors available for certification in secondary education are:

Biology	History*
Business Education (40-49 hours)	Home Economics (52 hours)**
Chemistry	Industrial Arts (45 hours)
Classics	Journalism
Economics*	Library Science
English (45 hours)	Mathematics
French	Physics
General Science	Political Science*
General Speech	Psychology
Geography*	Social Studies*
German	Sociology*
	Spanish

*It is recommended that a student who is planning on teaching the social sciences select social studies as a major. This major prepares a student to teach all the subjects included in the social studies program. However, students majoring in economics, geography, history, political science, or sociology and minoring in secondary education may be certified to teach social studies if their degree program includes the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

**Home economics majors will enroll in the School of Home Economics but will also apply to the College of Education and Psychology for approval of their secondary education teaching program.

The special areas in which teacher-education programs are available, grades one through twelve, are:

College of Education and Psychology

Audiology***

Language Disorders***
Library Science
Special Education
Speech Pathology***

School of Fine Arts

Art Education
Music Education

***Curricula for the audiology, language disorders, and speech pathology majors will be found in the Department of Speech and Hearing Sciences of the College of Liberal Arts. Any student preparing to become a special areas teacher in one of these major fields will enroll in the College of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the College of Education and Psychology.

TEACHING DEGREES

The student preparing to teach will normally pursue the Bachelor of Science degree which is offered in the College of Education and Psychology. It is permissible for a student to graduate from any school or college that offers a teaching major if the student so prefers. However, all students who desire to become teachers must apply for admission to the teacher education program in the College of Education and Psychology and be screened according to the preceeding procedure for admission into the program.

COMBINED BASIC COLLEGE CORE AND COLLEGE OF EDUCATION AND PSYCHOLOGY REQUIREMENTS FOR TEACHING DEGREE

In addition to the Basic College core curriculum, the requirements of the College of Education and Psychology consist of courses essential to certification and institutional endorsement. These requirements vary for elementary and secondary education degree candidates. The National Teacher Examinations are required of *all* candidates for the teaching degree.

ELEMENTARY EDUCATION

Students preparing to teach in the elementary schools may take a program designed for certification at the kindergarten-primary level (kindergarten through grade three), the middle grades (four through eight), or comprehensive elementary certification (kindergarten through grade eight). The programs consist of general education requirements, which include the University core, professional requirements, and areas of emphasis. This program is designed to meet the revised Mississippi Certification Requirements as applicable in 1972. Advisers will assist those who are working under earlier catalogs in adapting their programs to these requirements should this be necessary.

General Education: All students majoring in elementary education regardless of the level must complete the program outlined under this section as well as the section entitled "Common Professional Requirements K-8."

	Hours
English	20
History 101 and 102 or 111 and 112	8
Social Sciences One course from three of the following: Political Science 101, Sociology 103, Geography 103, Economics 200, 255, or 256	12
Science Eight hours of physical science and eight hours of biological science are recommended although four hours in either area with twelve hours in the other area are acceptable. Fundamentals of Science 104, 105, 106, and 107 are acceptable.	16

Psychology 201	4
Mathematics 100 and 318	8
Public Address 101	4
Health 179	4
Physical Education or Military Science	3
Total	79

Common Professional Requirements K-8

	Hours
EPY 319—Educational Psychology	4
CIE 309, 412—Reading	8
ARE 107, 309—Introductory Art	8
MED 361, 362—Music for Elementary Teachers	8
CIE 306—Language Arts	4
CIF 300—Foundations of Public Education	4
CIF 416—Audio Visual Education	4
CIE 301—Methods and Materials in Arithmetic	4
CIE 305—Social Studies in the Elementary Grades	4
Total	48

Special Professional Requirements K-3

Those students desiring to teach at the K-3 level will also complete the courses under this section.

	Hours
EPY 316—Child Psychology	4
CIE 311—Reading	4
CIE 317—Literature for Children K-3	4
CIE 403, 427—Early Childhood Education	8
*CIE 480, 425—Student Teaching and General Methods	16
Total	36

Special Professional Requirements 4-8

Those students desiring to teach at the 4-8 level will also complete the courses under this section.

	Hours
EPY 317—Psychology of Preadolescence and Early Adolescence	4
CIF 469—Tests and Measurements	4
CIE 312—Reading	4
CIE 318—Literature for the Middle School	4
*CIE 482, 343—Student Teaching and General Methods	16
Total	32

*Those certifying K-8 will take only one student teaching sequence. All other requirements for K-3 and 4-8 must be met.

Areas of Concentration for Certification

Mississippi certification regulations provide that K-3 certification include one "area of concentration" and that 4-8 certification include two "areas of concentration." The institutional program at the University of Southern Mississippi has three such areas built into it. Anyone completing this program has concentrations in English, social studies, and reading. Those desiring other concentrations may complete them by electing the following course combinations.

	Hours
Science SCE 432 and one other science course	8
Mathematics 409	4
Library Science 315, 316	8
Speech THE 480, and SHS 431, 433	12
Allied Arts 100, ARE 310, and one other course	12
Physical Education 409 and three other courses	16
Allied Arts 100, MED 463	8
Special Education 300, 450, 455, 460, 486, or 453 and 465	18

SECONDARY EDUCATION

As noted above, the student preparing to teach at the secondary school level takes an academic major in a subject-matter field and a minor in secondary education. Advisement in the subject matter area will be given by the department chairman or someone he designates. Advisement for professional education will be given by the chairman of the Department of Curriculum and Instruction.

Core and Professional Requirements

English	16
History 101, 102, or 111, 112	8
Science	16
Biological Science—8 hours (minimum)	
Physical Science—8 hours (minimum)	
Science majors must take laboratory science in both areas and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science.	
Mathematics (any four quarter hour course)	4
Social Science	8
Elect two courses from the following for 8 hours	
Economics 200 or 255 or 256	
Sociology 103 or 201	
Geography 103	
Philosophy 101	
Political Science 101	
Other Courses—Students planning to enter the College of Education and Psychology must take the following	16
Health 179	
Public Address 101	
Psychology 201	
Allied Arts 100	
Secondary Education Minor	
Foundations Education 300	4
Educational Psychology 332 and 319	8
Secondary Education 313, 451, and 481*	20
Foundations Education 469	4
Physical Education or Military Science	3

Major requirements and electives will constitute the balance of the degree requirements.

*See student teaching, page 120.

Requirements to teach social studies.

It is recommended that a student who is planning on teaching the social sciences select social studies as a major. This major prepares a student to teach all the subjects included in the social studies program. However, students majoring in economics, geography, history, political science, or sociology and minoring in secondary education may be certified to teach social studies if their degree program includes the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

CURRICULAR REQUIREMENTS FOR NON-TEACHING DEGREES

The College of Education and Psychology offers major programs in psychology, library science, office management, executive secretarial studies, and industrial technology leading to the Bachelor of Science non-teaching degree. Students in psychology, library science, and architectural technology may take programs leading to the Bachelor of Arts degree. The requirements for these non-teaching degrees are listed below.

Bachelor of Science (Non-Teaching) **Hours**

English	16
History	8
Science*	12
Mathematics	4
Social Science	12
Elect one course each from three of the following fields for 12 hours	
Political Science 101	
Economics 200 or 255 or 256	
Sociology 103 or 201	
Geography 103	
**Philosophy 101 or 210	4
Allied Arts 100	4
Public Address 101	4
Psychology 201	4
Physical Education or Military Science	3

Major requirements and electives will constitute the balance of the degree requirements.

*Biology or physics recommended for psychology major.
**Psychology majors only.

Bachelor of Arts

Same as Bachelor of Science non-teaching degree with the addition of twelve (12) to twenty-four (24) hours of a foreign language. Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing the second year sequence of courses in the same language for a total of twelve (12) hours.

SPECIAL SCHOOL SERVICES

EDUDCATIONAL MEDIA CENTER

John R. Shaffer, Director
R. P. Thomas Peters

To serve better the schools of Mississippi and to provide higher standards of teacher education and campus instructional services, the University has established an Educational Media Center. The Center administers a regional film library, campus educational television, graphic and audiovisual services, as well as teacher education laboratories for curriculum materials, teaching the use of audiovisual equipment, and the production of instructional materials of all kinds.

The Educational Media Center carries out a multiphased program of service, curriculum, and research which is designed to function cooperatively with all areas of the University community. The Center's staff of media specialists is available to assist local school districts with faculty in-service workshops, surveys, consulting services, and with the design and development of instructional systems for individual instruction, ungraded schools, and adult education.

The curriculum plan encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers, while graduate courses are designed to supplement existing programs and to provide a nucleus for individuals with a strong interest in media at the graduate level.

The University film library serves members of the South Mississippi Educational Film Association, and it rents films to non-member schools at a minimum rental charge. This cooperative film library has served the schools of South Mississippi for 23 years, and it is continuing to upgrade and expand its offerings in all fields. School administrators may obtain film catalogues and staff services by writing to:

The Director
Educational Media Center
Southern Stations, Box 54
Hattiesburg, Mississippi 39401

Psychology Clinic

L. Erl Mehearg, Director

The University of Southern Mississippi, through the Psychological Clinic, affords graduate students in psychology opportunities for clinical experience in a psychology practicum setting. Training and experience in diagnostic testing, psychological appraisal, psychotherapy, and behavior modification techniques are the primary focus of the Clinic's function. Work with both children and adults provides doctoral level graduate students specializing in the clinical area with a variety of experiences with different forms of maladaptive behavior and learning problems.

Another major function of the Clinic is to provide psychological services to University students. Additionally, service to the community and to the state in the form of diagnosis and treatment of emotional and learning problems is an important function of the Clinic.

Members of the Clinic's staff and the Psychology Department offer consultation to other clinics on the campus and work with them on various related problems.

University students, faculty and staff personnel, public school teachers, physicians, and other interested persons may obtain psychological services by applying to the Clinic.

In ALL cases, student clinicians are closely supervised by experienced clinical personnel.

The Reading Center

David W. Knight, Director

The Reading Center's primary concern is that of educating teachers in methods, techniques, materials, and equipment for the effective teaching of reading. Additional functions include the training of graduate students for reading specialization in developmental or diagnostic and remedial reading. The Center is able to offer limited services in diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $20.00, or a proportionate part, based on ability to pay. Remedial instruction is $1.25 per hour.

Consultant services are available to schools throughout the state. An up-to-date collection of materials used for reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special reading instruction by applying at the Center. The type of instruction offered will depend upon the type of help needed and the availability of instruction at the time of application. University students can also receive instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each June. Nationally known reading authorities are featured on the program.

Bureau of Educational Research

Harold V. Knight, Director

The Bureau of Educational Research is an administrative entity of the office of the Dean, College of Education and Psychology at the University of Southern Mississippi. The primary purpose of the Bureau is to provide research and dissemination services to University students, faculty, and the public schools within the State of Mississippi. Major functions include technical assistance in research design and data analysis, coordination of faculty research, reporting of research and professional activities of faculty and students, and independent evaluation of special projects and programs within the College of Education and Psychology.

The Bureau has developed a system of computer programs available for the treatment and analysis of data and provides training and assistance in the utilization of electronic calculators for more limited data treatment requirements. In addition, special services relative to measurement instruments and other specialized research tools are provided.

A major function of the Bureau is to provide field experience for graduate students enrolled in the Research Training Program at the University of Southern Mississippi. This graduate program affords students with an opportunity to obtain either the specialist certificate or minor in Educational Research at the doctoral level.

Consultation services are available to the public schools in the design and evaluation of educational programs. Similar services are also available to the schools and other agencies in several related fields such as system analysis, computer applications, and personnel development.

Additional information may be obtained by contacting the Director of the Bureau of Educational Research.

SPEECH AND HEARING CENTER

Robert C. Rhodes, Director

The Speech and Hearing Center is operated by the Department of Speech and Hearing Sciences in the College of Liberal Arts, but it works with the College of Education and Psychology very closely in the preparation of Special Education teachers.

This Center has a dual function. It provides facilities for the training of specialists in the area of clinical speech, audiology, and language disorders, and provides clinical services for persons with speech, hearing, and language problems.

The Center's services include both diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for University students per quarter	5.00

DEPARTMENT OF BUSINESS EDUCATION (BED—105)

L. Annelle Bonner, Chairman

Baldwin, Conerly, G. Taylor

The Department of Business Education offers curricula in business teacher education, office management, a four-year program in executive secretarial studies, and a two-year program leading to a specialized certificate in secretarial training.

The student who plans to teach business subjects on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the College of Education and Psychology upon completion of his work in the Basic College and, therefore, must meet the admission requirements for that College. His major field of concentration will be in business subject matter prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

The recommended minor in secretarial studies is twelve (12) hours in typewriting, twelve (12) hours in shorthand, and twelve (12) hours in advanced business education courses. A year of typewriting and a year of shorthand

taken in high school will reduce the number of recommended hours to twenty-eight (28).

To complete the curriculum requirements in business teacher education, executive secretarial studies, or secretarial training, one course in typewriting and one course in shorthand must be taken at the University of Southern Mississippi. A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

Business Teacher Education

College Core Requirements	79 or 85	
English 111, 112, 113	12	
English 210, 215, or 219	4	
English 332	4	
History 101, 102	8	
Mathematics	4	
Science—Biological and Physical (may be Fundamentals of Science)	16	
Political Science 101	4	
Economics 255	4	
Health 179	4	
Sociology 103 or 201, or Geography 103	4	
Public Address 101	4	
Psychology 201	4	
Allied Arts 100	4	
Physical Education or Military Science	3	
Professional education and psychology		36
These courses constitute the minor in business teacher education. The special method course is CIS 451A.		
Departmental subject matter requirements		80
BED 102, 310; BED 201, 202, 305, 371, 372; ACC 201. 202, 203; BED 300, 352, 354, 385, 450, 452, 453, 460; ECO 256; FIN 310, 389; and MKT 300. Business skills courses taken in high school will reduce the total number of hours required for the major.		
Electives to complete a total of 192 hours (Two recommended courses are CIF 416 and CSS 210)		
		192

Office Management

Freshman and Sophomore Curriculum		105
English 111, 112, 113, and 210 or 215 or 219, and 332	20	
History 101, 102	8	
Science	12	
Mathematics	8	
(Mathematics 100 or Algebra 101, Mathematics 112 or 320)		
Social Science	16	
Political Science 101	4	
Economics 255, 256	8	
Sociology 103 or 201; Geography 103 or Philosophy 101 (select one)	4	
Health 179	4	
Public Address 101	4	
Psychology 201	4	
Allied Arts 100	4	

Accounting 201, 202, 203	12	
Physical Education or Military Science	3	
Electives to complete 105 hours		
		105
Major requirements		76
Business Education 101, 102, 310—Typewriting	12	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Marketing 300—Principles of Marketing	4	
Finance 310, 311—Business Law and 389—Business Finance	12	
Economics 330—Money and Banking	4	
Management 360—Principles of Management; 362—Introduction to Industrial Management; 364—Personnel Management; 454—Human Relations; and 464—Motion and Time Study	20	
Psychology 202—Applied Psychology	4	
*See note below relative to business skills courses.		
Electives to total 192 (two of which may be ECO 301 or CSS 200)		11
		192

Executive Secretarial Studies

Freshman and Sophomore Curriculum		105
The same curriculum as shown for Office Management with this exception: Only four hours of mathematics are required.		
Major requirements		72
*Business Education 101, 102, 310—Typewriting	12	
*Business Education 201, 202, 305, 371, 372—Shorthand	20	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Marketing 300—Principles of Marketing	4	
Finance 310, 311—Business Law; 389—Business Finance	12	
Economics 330—Money and Banking	4	
*Business skills courses taken in high school will reduce the total number of hours required for the major. Hours thus saved may be applied to these recommended courses: Finance 100—**Introduction to Business; Psychology 202—Applied Psychology; Sociology 103—Introduction to Sociology; CIF 334—Improvement of Study; CSS 210—Introduction to Programming Laboratory.**		
Electives to total 92 hours		15
		192

Secretarial Training
Two-Year Curriculum

Required core courses		27
English 111, 112, 113	12	
Public Address 101—Oral Communication	4	
Mathematics 100—Basic Mathematics, 101—Algebra	4	
Physical Education 167, 168, 169	3	
Social Studies—Political Science 101, History 101 or 102, Sociology 103, Geography 103, or Psychology 201 (Select one)	4	

Required business courses as listed below		68
*Business Education 101, 102, and 310—Typewriting	12	
*Business Education 201, 202, 305, 371, and 372—Shorthand	20	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Accounting 201 and 202—Principles of Accounting	8	
Economics 255—Principles of Economics	4	
Finance 310—Business Law	4	
Elective		4
		99

*A student who has had one year of typewriting in high school will start his program with BED 102; one who has had a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 256, ACC 203 MKT 300, CIF 334, or the social studies courses listed in the core requirements.

BUSINESS EDUCATION COURSES (BED—105)

101—**Elementary Typewriting.** Four hours.

This course is for beginners in typewriting. Emphasis is given to acquiring keyboard control, developing correct typewriting techniques, and applying this acquired skill to letter writing and simple tabulated reports. No credit is given to a student whose high school transcript shows one unit in typewriting.

102—**Intermediate Typewriting.** Four hours.

Prerequisite: Satisfactory completion of BED 101 with grade of C or better or equivalent.

A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. Students who have had more than one year of typewriting in high school should enroll in BED 310.

201—**Beginning Shorthand.** Four hours.

Three hours laboratory per week in addition to regular classes.

The theory and practice of Gregg shorthand, with emphasis on fluency of writing and reading; a limited amount of dictation and transcription. English 111, 112, and 113 to be taken concurrently or to have been completed previously.

No credit is given to a student whose high school transcript shows one unit in shorthand.

202—**Intermediate Shorthand.** Four hours.

Prerequisite: Satisfactory completion of BED 201 with grade of C or better, or equivalent.

Three hours laboratory per week in addition to regular classes.

Completion of theory of Gregg shorthand, with some emphasis on dictation and transcription. English 111, 112, and 113 to be taken concurrently or to have been completed.

Students who have had more than one year of shorthand in high school should enroll in BED 305.

300—**Business Writing.** Four hours.

Prerequisites: ENG 111, 112, and 113, and ability to typewrite.

A study of principles and techniques used in writing effective business letters, memorandums, and other forms of business communication. Emphasis is

placed on analyzing and solving business problems through written communication.

305—**Dictation and Transcription.** Four hours.

Prerequisite: Satisfactory completion of BED 202 with grade of C or better, or two years of high school shorthand.

Three hours laboratory per week in addition to regular classes.

A constant automatic review of shorthand theory, developing the student's shorthand speed, and emphasizing mailable transcripts.

310—**Advanced Typewriting.** Four hours.

Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.

Preparation of stencils, business forms, and legal documents; additional emphasis on tabulations, manuscripts, and letter forms, as well as on speed and accuracy.

340—**Adding and Calculator Machine Operation.** Two hours.

Sufficient practice provided to develop a thorough working knowledge of the operations involved in the use of the following machines; rotary and printing calculators, and full keyboard and ten-key adding machines. This course may not be taken for credit by a student who has had BED 450 or its equivalent.

352—**Filing Systems and Records Management.** Two hours.

An introduction to major filing systems in business, with a study of standard rules for alphabetizing, practice in the use of common systems of filing, and the application of filing principles to specific types of businesses.

354—**Problems in Typewriting.** Two hours.

Prerequisite: Satisfactory completion of BED 310 with grade of C or better.

A review of techniques in skill building, with development of speed and accuracy in typing a variety of office forms and emphasis on shortcuts in production typewriting.

371—**Advanced Dictation and Transcription.** Four hours.

Prerequisite: Satisfactory completion of BED 305 with grade of C or better.

Three hours laboratory per week in addition to regular classes.

Emphasis on dictation and transcription using the vocabulary of different departments of businesses.

372—**Executive Secretarial Shorthand.** Four hours.

Prerequisite: Satisfactory completion of BED 371 with grade of C or better.

Three hours laboratory per week in addition to regular classes.

The finishing course in shorthand dictation and transcription, with primary emphasis on mailable copy.

385—**Office Practice and Procedures.** Four hours.

Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.

A course covering practical secretarial problems and the developing of an employable personality.

450—**Office Appliances.** Four hours.

Prerequisite: Satisfactory completion of BED 101 with grade of C or better, or equivalent.

Sufficient practice to develop a thorough working knowledge of the operations involved on calculators, adding machines, posting machines, transcribers, electric typewriters, mimeoscope, and direct process mimeograph duplicators.

This course may not be taken for credit by a student who has had BED 340 or its equivalent.

452-G452—**Philosophy of Vocational Business Education.** Four hours.

History of vocational business education; changing concepts resulting from Federal legislation; changing nature of office systems and occupations; changing employment opportunities and consequent changes in procedures and techniques of vocational business education.

453-G453—**Coordination of Office Occupations Programs.** Four hours.

Problems of the coordinator in the development of programs to meet the needs of employed youth and adults in the office occupations programs.

460-G460—**Office Management.** Four hours.

A study of the principles of management as applied to office work, covering office organization, supervision, layout, supplies, machines, personnel, office forms and reports, and office services.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Paul W. Peddicord, Chairman

Bonnie J. Davis, Co-Chairman, Undergraduate Teacher Education
Leo R. Miller, Co-Chairman, Graduate Teacher Education

Brevard, Campbell, Carmichael, Cunningham, Friedman, D. Knight, Landskov, Layton, McNinch, Nielsen, L. Posey, Rains, Wall

JOINT ASSIGNMENT WITH OTHER DEPARTMENTS: Breland, English; F. Brown, Science Education; Gandy, Communication; Felder, Mathematics; Hunter, Industrial and Technical Education; M. C. Johnson, Physical Education; Siverio, Foreign Language; King, Mathematics; Poirier, Art; Bonner, Business Education; Wilber, Social Studies

REQUIREMENTS FOR ELEMENTARY EDUCATION MAJOR

Students preparing to teach in the elementary school will enter a comprehensive Elementary Education Program of studies which does not require an academic minor. The elementary education sequence, therefore, includes all requirements to satisfy both the major and minor area of study. The National Teacher Examinations and the English Proficiency Test are required of *all* candidates for the teaching degree.

Basic College students may be admitted to the College of Education and Psychology and teacher-education upon the completion of forty-eight (48) quarter hours work in the Basic College.

In order to meet the revised Mississippi Certification Requirements which will be applicable in 1972, elementary education majors must pursue a certification program which encompasses kindergarten through grade three (kindergarten-primary level), grades four through eight (middle school level), or kindergarten through grade eight (comprehensive elementary certification).

The required courses which an elementary education major must satisfy are listed below in suggested sequence. The Basic College requirements for elementary education majors are listed under the freshman schedule. Courses appearing in the junior and senior year schedules are reserved entirely for those students who have been admitted to teacher-education.

NOTE: The following are general suggestions. For further directions in selecting courses see the general and special requirements for the particular certification program.

Freshman Year

	Hours
English	12
History 101, 102, or 111, 112	8
Mathematics 100	4
*Science	12
Physical Education or Military Science	3
ARE 107	4
Health	4
Total	47

Sophomore Year

English	8
Public Address 101 or 301	4
*Science	4
**Social Science	12
Psychology 201	4
Music Education 361	4
ARE 309	4
Educational Foundations CIF 300 (last quarter of sophomore year or first quarter of junior year)	4
Electives	4
Total	48

Junior Year

Mathematics 318	4
Child or Early Adolescent Psychology—EPY 316 or 317	4
Educational Psychology—EPY 319	4
Language Arts—CIE 306	4
Methods and Materials in Arithmetic—CIE 301	4
Social Studies in the Elementary School—CIE 305	4
Music Education—MED 362	4
Reading—CIE 309 and 311 or 312	8
Literature for Children—CIE 317 or 318	4
Audiovisual Education—CIF 416	4
Electives	4
Total	48

Senior Year

Reading—CIE 412	4
Student Teaching and General Methods CIE—480, 425, or 482, 343	16
Educational Measurements—CIE 427 or CIF 469	4
Early Childhood Education—CIE 403 (for K-3 Certification only)	4
Electives	21 or 25
Total	49

The National Teacher Examinations must be taken.

*Sixteen hours in science is required. It is suggested that eight (8) hours physical science and eight (8) hours of biological science be used. FS 104 and 105, 106 and 107 will meet this requirement. A student may elect to take twelve (12) hours physical and four (4) hours biological science or four (4) hours physical and twelve (12) hours biological science.

**The social science requirement may be met by electing four (4) hours from each of three of the following fields: Political Science 101, Economics 200 or 255 or 256, Sociology 103 or 201, Geography 103.

ELEMENTARY EDUCATION COURSES (CIE—115)

301—**Methods and Materials in Arithmetic.** Four hours.

A course in the methods of teaching arithmetic in the elementary grades. Special attention is given to developing an understanding of numbers, teaching basic combinations, and the use of arithmetic textbooks and workbooks.

305—**Social Studies in the Elementary Grades.** Four hours.

Social studies in the broad fields and core curriculum with emphasis on objectives and content. Areas, sequence of units, and the evaluation of social studies units for elementary grades are stressed.

306—**Language Arts in the Elementary School.** Four hours.

A course dealing with the development of skills in writing, spelling, listening, speaking, and related fields.

309—**Developing Skills in Reading.** Four hours.

An undergraduate course which makes an intensive study of the skills required in reading; methods and materials required to teach these skills; and classroom techniques for evaluating proficiency in the development of reading skills.

311—**Kindergarten and Primary Reading Instruction.** Four hours.

Prerequisite: CIE 309

A study of reading as a growth process and as a developmental task; to include the nature of various organizational patterns, materials and approaches for meeting individual needs in kindergarten and primary (K-3) reading instruction.

312—**Middle School Reading Instruction.** Four hours.

Emphasis will be given to the integration of reading with the content subjects as well as the interest and needs of children in transition from childhood to adolescence. The nature of various organizational patterns, materials, and methods of individualizing reading instruction in the middle school (4-8) will be considered.

317—**Methods and Materials in Children's Literature.** Four hours.

Reading in mythology, legend, history, biography, fiction, and poetry. Narrative and dramatic presentation. Comparative editions, graded bibliographies, and standard practice in building collections of books for children.

318—**Literature for the Middle School.** Four hours.

A survey of literature appropriate for use in grades four through eight or the middle school. Effective use of literature in the school program is stressed.

330—**Readiness Programs for Young Children.** Four hours.

A course of study dealing with varied phases of comprehensive readiness programs for young children. Emphasis is placed upon the experience method, and social factors are treated in detail.

343—**Methods and Materials in Elementary Education.** Four hours.

An examination of materials and their relatedness to methods. Stresses approved techniques in light of research in these fields: Language arts, social studies, number relationships, handwriting, spelling, science, health, and creative experiences. Only offered concurrently with student teaching.

403-G403—**Kindergarten-Primary Education.** Four hours.

A study of the contributions which group living makes to the mental and physical health of young children, with emphasis upon child development research in curricular experiences and records. Designed to help teacher and parents understand the readiness program. Laboratory is included.

412—**Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** Four hours.

Prerequisite: CIE 311.

This course deals with the need for corrective and remedial reading in the school; nature and causes of reading disability; procedure in making a classroom diagnosis, including interpretation of results; remedial treatment of reading difficulties to include techniques and materials; and some opportunity for testing and remedial teaching in the public schools.

414—**Creative Dramatics for Children.** Four hours.

Prerequisite: Consent of the instructor.

Fundamentals of organizing and developing creative dramatics program with elementary school age children.

415—**Fundamentals of Children's Theatre.** Four hours.

Prerequisite: Consent of the instructor.

Laboratory and instruction in the methods and techniques of producing plays for elementary school age children.

425—**Methods and Materials in Early Childhood Education.** Four hours.

A sequential investigation into recommended methods of teaching and suitable instructional materials for young children. Special emphasis is placed upon early primary programs including kindergarten, day care centers, child welfare, and other institutional care for young children. (To be offered concurrently with student teaching.)

427—**Evaluation in Early Childhood Education.** Four hours.

A course of study concerned with evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children. A case study is required including cumulative records, interviews, and comprehensive evaluation.

480—**Student Teaching in Lower Elementary.** Twelve hours.

Prerequisites: CIF 300, CIE 301, 305, 306, 309, 311, EPY 316, 319.

Students arrange for this course with Director of Student Teaching two quarters in advance. (CIE 425—Methods and Materials in Early Childhood Education is concurrent with this course.)

482—**Student Teaching in Upper Elementary.** Twelve hours.

Prerequisites: CIF 300, CIE 301, 305, 306, 309, 312, EPY 317, 319.

Students arrange for this course with the Director of Student Teaching two quarters in advance.

484—**Student Teaching in Lower Elementary.** (Early Childhood Education) Twelve hours.

Students arrange for this course with the Director of Student Teaching two quarters in advance.

489—**Seminar in Elementary Student Teaching.** Eight hours.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

490-G490—**Workshop in Aviation Education.** Four hours.

May be taken twice for a total of eight hours.

491-G491—**The Reading Conference I, II, III.** One hour.

An intensive program for three days during the summer quarter consisting of lectures, group discussion, and demonstration lessons.

492—**Internship in Kindergarten and Primary Education.** Twelve hours.

Credit is awarded at the successful completion of three quarters of experi-

ence in an approved internship. **EPY 420** and **CIF 421** must be completed during the internship. Enrollment by permission of the Director of Interns only.

493—**Internship in the Middle School.** Twelve hours.

Credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 420** and **CIF 421** must be completed during the internship. Enrollment by permission of the Director of Interns only.

496—**Projects in Elementary Education I, II, III.** Four hours.

Designed for school systems planning local projects of curriculum revision and course of study construction. Available for credit more than once if projects require more than one quarter to complete.

REQUIREMENTS FOR SECONDARY EDUCATION MINOR

The student who plans to teach at the high school level will work toward the Bachelor of Science "Professional" degree. This degree requires an academic major and a minor in secondary education. The majors available for this degree are listed under the General Degree Requirements Section of this catalog. The Basic College, College, and professional or minor requirements are listed on preceding pages. The National Teachers Examinations and the English Proficiency Test are also part of the degree requirement. A student in secondary education will have two advisers: the chairman of the Department of Curriculum and Instruction and the chairman of the department in which he is majoring. Students should also read carefully the requirements for student teaching. No more than twelve (12) quarter hours in professional education courses taken by correspondence may be accepted for a degree.

The "professional" degree meets the requirements for certification by state and national certification agencies.

SECONDARY EDUCATION COURSES (CIS—120)

310—**Junior-Senior High School Reading Methods.** Four hours.

A course designed to familiarize junior and senior high school teachers with reading methods and materials. Special emphasis is placed on improving reading skills in the subject matter areas and providing suitable material for poor readers.

313—**Principles of Teaching in High School.** Four hours.

Taken simultaneously with CIS 481.

Aims of secondary education, motivation and direction of learning, school organization, including guidance, and an introduction into methodology.

451A—**Methods in Business Education.** Four hours.

A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

451B—**Methods in Art.** Four hours.

Aims, objectives, and methods of art education in the elementary and secondary schools.

451G—**Methods in Industrial Arts.** Four hours.

Methods and materials in the teaching of industrial arts.

451H—**Methods in English—Secondary.** Four hours.

Required of English majors who follow the professional teaching program. Should be taken in the third quarter of the junior year or in the summer preceding the senior year. A course in methods of teaching English in the junior and senior high schools.

451I—**Methods in Foreign Languages.** Four hours.

Required of foreign language majors who follow the professional teaching program. A course in methods of teaching French, Spanish, and German in high schools.

451J—Methods in Teaching Science—Secondary. Four hours.

Prerequisite: Senior standing (this course should be taken one or two quarters before student practice teaching).

A course designed to familiarize teachers with trends in the secondary science curriculum. It includes a study of materials and techniques used in presenting subject matter to the secondary school student. Emphasis is placed upon the design of activities dealing with science as a form of inquiry and investigation. Readings are required in the science and science education periodicals.

451K—Methods in Mathematics—Secondary. Four hours.

Should be taken after the student has completed most of his mathematics courses.

A course designed to give the student a knowledge of the foundation on which mathematics is built, the aims and purposes of teaching the subject in high school, curriculum problems, organization and presentation of subject matter, methods of teaching, and methods of testing.

451L—Methods in Social Studies—Secondary. Four hours.

Prerequisite: EPY 319 or consent of instructor.

A study of principal methods of teaching, application of psychological principles to teaching, methods of selecting content, and materials available. The work is adapted to the social studies in the high school.

451M—Methods in Speech. Four hours.

Prerequisite: Consent of instructor.

A general orientation to the teaching of speech, following by individualized unit work in the special fields of speech.

451P—Methods and Principles in Health, Physical Education, and Recreation. Four hours.

For grades 1 through 12. Primarily for students majoring or minoring in health, physical education, and recreation. Materials and techniques of teaching health, physical education, and recreation in public schools.

451T—Methods in Journalism. Four hours.

A course designed to prepare the student for the teaching of journalism on the secondary school level. Should be scheduled after the student has taken the majority of his courses in journalism.

462-G462—Curriculum of the Secondary Schools. Two hours.

A critical examination of the present day curriculum with emphasis upon the core curriculum.

464-G464—Student Activities in Secondary Schools. Two hours.

Consideration is given to the general nature and organization of the program popularly known as extra-curricular activities. Major emphasis is placed upon the various activities that constitute an activity program in a modern high school.

481-A-T—Student Teaching in High School. Twelve hours.

Prerequisites: The completion of 132 hours of college courses including CIF 300, EPY 332, CIS 451, and two-thirds of the work in the student's major field, of which at least eight (8) hours must have been taken in residence in this institution. (See Student Teaching.)

The individual courses in pre-service student teaching are listed below:

481A (Business Education) ..... Twelve hours
481B (Art Education) ..... Twelve hours
481G (Industrial Arts) ..... Twelve hours
481H (English) ..... Twelve hours
481I (Foreign Languages) ..... Twelve hours
481J (Sciences) ..... Twelve hours
481K (Mathematics) ..... Twelve hours
481L (Social Studies) ..... Twelve hours
481M (Speech) ..... Twelve hours

481P (Health, Physical Education, Recreation) .....Twelve hours
481R (Library Science) .....Twelve hours
481S (Music Education) .....Twelve hours
481T (Journalism) .....Twelve hours

489—**Seminar in Secondary Student Teaching.** Eight hours.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

494—**Internship in Secondary Education.** Twelve hours.

Credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 420** and **CIF 421** must be completed during the internship. Enrollment by permission of the Director of Interns only.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION AND SUPERVISION (AED—130)

James H. McPhail, Chairman

B. Anderson, E. Bedenbaugh, Braun, Carson, Lucas, Owings

The Department of Educational Administration and Supervision offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist certificate, and the doctor's degree. For a description of these programs, consult the **Graduate Bulletin.**

DEPARTMENT OF GUIDANCE (GED—140)

John D. Alcorn, Chairman

Boroughs, Culberson, Daniels, Durkee, Gates, Gutsch, Langdon, Massey, Weatherford

The Department of Guidance offers separate curricula at the graduate level to prepare candidates in three areas of personnel and guidance work. These areas are: (1) public school counselors; (2) college and junior college counselors, personnel workers and specialists; and (3) counselors, personnel workers, and specialists in community agencies. See the **Graduate Bulletin** for the course patterns of each curriculum mentioned. The Department of Guidance offers work leading to the Master of Education, Master of Science, Specialist in Education, Doctor of Education, and Doctor of Philosophy degrees. (Note: If included in a Master's degree: the GED courses 506, 522, 571, 581, 582, 587, 593 I, II, or 600 will meet Mississippi State Department of Education's academic requirements for certification as a school counselor.)

DEPARTMENT OF INDUSTRIAL AND TECHNICAL EDUCATION (ITE—165)

E. Max Hunter, Chairman

Boyte, Burns, McGowen, Moeller, Salinas

The student has a choice of three undergraduate majors within the Department; (1) the industrial arts teaching major; (2) the industrial technology major; and (3) the architectural technology major. For graduate work in the Department, consult the **Graduate Bulletin.**

The minor in industrial arts requires twenty-eight (28) hours.

INDUSTRIAL ARTS TEACHING MAJOR

Industrial Arts teachers are required to hold a standard Mississippi Secondary Teacher's Certificate, with an endorsement to teach industrial arts. In addition to the courses required in general education, and the professional training for all secondary school teachers, the industrial arts teacher must have the following courses to meet endorsement requirements.

General Shop	4 hours	Drawing	9 hours
Metal Work	9 hours	Electricity/Electronics	8 hours
Wood Work	9 hours	Principles and Methods	8 hours

The student who completes the courses required for a teaching major will meet the certification requirements. The student will also complete a minor in secondary education.

The industrial arts teaching major must meet the complete core requirements as specified in the College of Education and Psychology under the heading of secondary education.

College Core Requirements
See Core under Secondary Education

Professional Education and Psychology Requirements	Hours
CIF 300, 469	8
EPY 319, 332	8
CIS 451G	4
CIS 313, 481G	16

Departmental Requirements	Hours
ITE 121, 122, 321, or 350	9
ITE 131, 330, 331	9
ITE 340, 341, 342, or 343	9
ITE 136	4
ITE 301, 302	8
ITE 400, 401	10
ITE 402	2

Electives to complete a total of 192 hours.

INDUSTRIAL TECHNOLOGY MAJOR

The industrial technology major must meet the complete core requirements for the non-teaching degree in the College of Education and Psychology. The student will minor in industrial management, mathematics, science, or computer science.

College Core Requirements
See Core under Non-Teaching Degree

Major Requirements

	Hours
MAT 101, 103	8
PHY 101, 102	10
CHE 121, 122	8
ITE 121, 122, 321, 350	12
ITE 131, 330, 331	9
ITE 340, 341, 342, 343	12
ITE 301, 302	8
ITE 305	3
ITE 307	4
ITE 315	4

Electives to complete a total of 192 hours.

ARCHITECTURAL TECHNOLOGY

The architectural technology major must meet the core requirements, for the non-teaching degree in the College of Education and Psychology. It is recommended that the student minor in art or mathematics.

College Core Requirements
See Core under Non-Teaching Degree

Major Requirements

	Hours		Hours
ART 111, 112, 113, 101, 321	20	ITE 381, 382, 383	12
MAT 101, 103, 171, 276, 277	20	ITE 351, 352, 353, 451, 452, 453	24
PHY 101, 102, 103	15	ITE 454, 455, 456*	12
ITE 375, 376, 377	12	ITE 385	4

Electives to complete a total of 192 hours

*A student, who has completed six courses in architectural design, and who has an average of B or better, may, when approved by the instructor of the design course and the department chairman, elect other 300 level and 400 level courses in lieu of ITE 454, 455, and 456.

INDUSTRIAL AND TECHNICAL EDUCATION COURSES (ITE—165)

121—**Engineering Drawing I.** Three hours.

Use of drawing instruments, geometric construction. Conventions used in depicting objects for reproduction. Representation in two and three dimensions. Object drawing. Special practice in lettering. Orthographic projection, dimensioning.

122—**Engineering Drawing II.** Three hours.

Prerequisite: ITE 121.

Multiview projection, sectional views, auxiliary views, revolutions, working drawings, pictorial drawings.

131—**Woodwork.** Three hours.

A course designed to develop skill, knowledge and appreciation in the care and use of woodworking tools, materials, processes, and products. Hand and machine tools, tool processes, wood and lumber, joints, gluing, nails and screws, wood turning, and finishing.

136—**General Shop.** Four hours.

A general course in accordance with the modern development of industrial arts and crafts.

300—**Industrial Arts Design.** Three hours.

A basic course in design with special emphasis on industrial arts use. Such topics as texture, form, balance, stability and free-form are included.

301—**Industrial Arts Electricity.** Four hours.

Basic study of direct and alternating current, magnetism, resistance, inductance, capacitance, and resonance. An introduction to generators, motors, transformers, and electrical motors.

302—**Industrial Arts Electronics,** Four hours.

Prerequisite: ITE 301

Electron tube and transistor characteristics. Fundamentals of power supplies, amplifiers, oscillators, detectors, and the superheterodyne receiver. Introduction to the oscilloscope and other test equipment. The correct use of hand tools, test equipment, and good soldering practices.

305—**Power Mechanics I.** Three hours.

Small engine operation, design and care. Ignition, carburetion, displacement, compression ratios, camshaft and valve design are among the topics considered.

307—**Materials and Processes of Industry.** Four hours.

Manufacture, characteristics, and use of wood products; ferrous and nonferrous metals, their composition, working qualities and uses; abrasives, glass, concrete, and clay products, their manufacture, composition and use; types, grades, and uses of leather and plastics; finishing and upholstery materials; adhesives, fastening devices, and hardware; shaping forming and cutting operations; principles of heat treating, inspection and gauging for quality control.

310—**Bookbinding.** Three hours.
A complete course in hand binding. Included are stripping and collating, sewing, backing and gluing, case making, titling, and finishing.

314—**Leather Craft.** Three hours.
Instruction in tooling, embossing, lacing, and designing selected leather projects.

315—**Plastics.** Three hours.
A study of plastics in common use; general operations in design, shaping and finishing selected projects.

317—**Photography in Industrial Arts.** Three hours.
Evaluation of photography in the industrial arts curriculum. Camera selection, construction, and techniques, exposure factors, film characteristics and selection, developing, printing, enlarging, copying and other basic darkroom procedures. The making of photographic slides for industrial arts, both black and white, and color.

319—**Industrial Arts for Elementary Teachers.** Four hours.
A course for teachers of both lower and upper elementary work. Intended as an aid to the teacher in her preparation to guide the children in all free activities. Not open to industrial arts majors except by special permission.

321—**Engineering Drawing III.** Three hours.
Prerequisites: ITE 121 and 122.
Use of instruments, engineering lettering, freehand sketches, pictorial drawings, sectional views, and working drawings from written descriptions as well as from actual objects.

322—**Engineering Drawing IV.** Three hours.
Prerequisite: ITE 121, 122, and 321.
Advanced engineering drawing.

325—**Descriptive Geometry.** Five hours.
Prerequisite: ITE 121.
A study of the general principles of descriptive geometry and their application to engineering, architecture, and geology.

330—**Wood Finishing.** Three hours.
A general course in wood finishing consisting of finishing materials, techniques, and equipment, applicable to industrial arts projects.

331—**Advanced Woodwork.** Three hours.
Prerequisites: ITE 131 and 330.
Emphasis on the selection of projects to implement the objectives of an industrial arts program. The importance of individual design and use of machines is stressed.

340—**Welding.** Three hours.
Theory and practice in oxy-acetylene and arc welding. Construction of appropriate projects is required.

341—**Sheet Metal Work.** Three hours.
An introduction to the application of hand and machine processes. Simple pattern drafting. Study of materials. Working cold iron; cutting, forming, seaming, burring, crimping, and fastening, as applied to the making of sheet metal products.

342—**Machine Shop.** Three hours.
Introduction to the procedures in grinding; thread cutting; quick change gears; the drill press and its operation; taper turning; cutting tools; grinding machines; and the assembling of machine parts.

343—**Art Metal Work.** Three hours.
An introduction to the processes involved in the construction, finish, and evaluation of art metal projects and articles: class demonstrations, assigned readings, and special reports.

350—**Architectural Drawing.** Three hours.

A beginning course in architectural drawing. Lettering, details, working drawings, and office practice.

351-2-3—**Architectural Design I, II, III.** Four hours each.

Analysis and solution of simple problems in architectural design. Emphasis on domestic and simple public buildings. Attention to construction and finish details through research, discussion, drawing and models. Three quarters of architectural design.

375—**Structures I.** Four hours.

Prerequisites: PHY 101 or 201 and MAT 103.

An elementary technical study of force systems and their action on rigid bodies at rest. Topics considered are center of gravity, moment of inertia of areas. For architectural and engineering students.

376—**Structures II.** Four hours.

Analysis of fundamental structural principles, application of mathematics of structural theory.

377—**Structures III.** Four hours.

Study of statically determined structures including shear and bending moments, torsion, slope and deflection, design of beams, columns, trusses, struts problems dealing with wood, reinforced concrete, steels, and other materials.

381, 382, 383—**Building Construction I, II, III.** Four hours each.

Prerequisite: Permission of the instructor.

Study and examination of materials and methods of construction. Foundations, walls, roofs, stairs, partitions, doors, windows, etc., are studied. Also considered are specifications, contracts, and office practice.

385—**Surveying.** Four hours.

Theory and practice in the use of instruments of surveying, measurement of horizontal and vertical distances, angles, traverse, curvilinear and topographic surveys, triangulation, measurement of latitude, longitude, azimuth, and time.

390—**Mechanical Equipment and Electrical Systems of Buildings I.** Four hours.

Design, installation, and performance of mechanical and electrical equipment. Including heating, air conditioning, plumbing, and electrical systems as related to residential and commercial buildings.

391—**Mechanical Equipment and Electrical Systems of Buildings II.** Four hours.

A continuation of ITE 457.

392—**Architectural Landscaping.** Four hours.

A study of elements and principles as related to site planning and outside environment. Will include a study of landscape materials, contours, grading, and drainage.

393—**Architectural Rendering.** Four hours.

The visual expression of architectural principles and structures. Will include perspectives, shades, and shadows, models, black and white, colors, and combinations of these.

394—**Office Practices and Specifications.** Four hours.

Professional practice; the study of client and contractor relationship, office management and legal requirments; specifications, bids, awarding contracts, supervision of construction, and other office functions.

400—**School Shop Planning and Equipment Selection.** Five hours.

Lay out of rooms and other building facilities. Purchase and arrangement of equipment. Selection of suitable equipment for special conditions. The cost of equipment, supplies, and maintenance.

401—**Shop Care and Management.** Five hours.

A study of machine placement; student movement; arrangement of safety zones; upkeep and repair of tools; tool storage and distribution; storage of materials; assembly areas; and the general appearance of the shop.

402—**History and Philosophy of Industrial Education.** Two hours.

Basic understanding of the underlying foundations and principles, early day leaders, federal acts, types of classes and courses, state plan for vocational education, and the organization and administration of industrial education at the local, state, and national levels.

403—**Occupational Analysis and Course Construction.** Four hours.

Techniques and procedures in analyzing occupations into their basic elements and arranging these elements for instructional purposes.

404—**Problems of the Coordinator.** Four hours.

Problems, procedures, and techniques in the operation of cooperative part-time and evening school programs, including the study of state and federal regulations and reporting.

431—**Principles of Trade and Industrial Teaching.** Four hours.

Interest and the motivation of learning in the shop, the development of reasoning ability and manipulative skill, job and lesson planning, teaching devices and procedures, shop management, measurement of achievement, interschool and community relations.

432—**Problems of Adult Education.** Four hours.

Rise of the adult education movement; learning abilities, educational interests and needs of adults; problems and procedures in organizing and operating adult education programs; relation of adult education to public school education.

433—**Curriculum Construction for Cooperative and Adult Vocational Classes.** Four hours.

The derivation of objectives; selection and arrangement of instruction units and materials for cooperative and evening classes; the construction and use of evaluative devices.

434—**Occupational Surveys.** Four hours.

A study of problems, methods, and procedures involved in planning, organizing, and conducting occupational surveys in local communities and labor market areas.

435—**Instructional Materials for Industrial Education.** Four hours.

Identification, selection, development, and use of various instructional aids and materials as they apply to vocational and technical education.

436—**Curriculum Construction for Vocational Technical Education.** Four hours.

Principles, practices, and techniques in planning and establishing a curriculum in vocational-technical education, including a study of the relationship that exists between general and vocational education.

451-2-3—**Architectural Design IV, V, VI.** Three quarters of architectural design. Four hours each.

Prerequisite: ITE 351, 352, 353.

Analysis and solution of architectural problems of greater complexity than the 350 series. Emphasis is on presentation of ideas in design.

454, 455, 456—**Architectural Design VII, VIII, IX.** Four hours each. Three quarters of architectural design.

Prerequisite: ITE 453.

Analysis and solution of problems in architectural design of moderate complexity. Attention is given to site planning, landscape design, etc., through lectures, slides, drawing, and research.

DEPARTMENT OF LIBRARY SCIENCE (LS—170)

John H. M. Chen, Chairman
Tracy, Flynt

A student majoring in library science may elect one of several alternate plans. He may work toward either the Bachelor of Arts, the Bachelor of Science non-teaching, or the Bachelor of Science teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

Students wishing to prepare for positions in the public, college and university, and special library fields should major in an academic subject (other than library science) at the undergraduate level, take the twenty (20) quarter hour prerequisite of undergraduate library science courses (see **Graduate Bulletin**), and complete the master's program in library science. Students who are planning to study librarianship should consult the chairman of the Department of Library Science for advice regarding their curricula.

Curriculum for Bachelor of Science
Degree with a Major in Library Science
(Professional Teaching Program)
Freshman and Sophomore Years

Courses listed in Basic College Core and College of Education and Psychology Requirements.

Junior and Senior Years

	Hours
LS 301, 302, 303, and 315-316	20
LS 427, 428, 462, and 463	16
CIF 300, CIF 416, CIF 469. CIS 313*, and CIS 481R	28
EPY 319 and 332	8
Fine Arts	4
Electives	27

*Prerequisite: EPY 319

CIS 313 and CIS 481R are taken concurrently

The Bachelor of Science degree with library science as a major may be had in the non-teaching program and may follow the library science requirements for the Bachelor of Arts degree.

Curriculum for Bachelor of Arts
Degree with a Major in Library Science
Freshman and Sophomore Years

Courses listed in Basic College Core and College of Education and Psychology Requirements.

Junior and Senior Years

	Hours
LS 301, 302, 303	12
LS 427, 428, 462, 463 and 489	21
CIF 416	4
Electives and minor	60

Departmental Requirements

General requirements: The student wishing to major in library science should take thirty-six (36) hours in the Department of Library Science, all of which must be in courses numbered above 300. Required of all majors and counted as a library science course is CIF 416.

No correspondence or extension work is counted toward this credit. For the Bachelor of Science teaching degree twelve (12) hours of directed teaching will be in school library practice, CIS 481R. The Bachelor of Arts and non-teaching Bachelor of Science degrees may include LS 489 instead. CIF 416 will be counted toward the major in library science, provided it is done in residence.

Minor and Electives

In addition to the core requirements, the certification requirements, and the departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

The student minoring in library science must take twenty-eight (28) hours in the Department.

Students may qualify for the Class A Certificate by completing at least thirty-six (36) quarter hours of library science. Students may qualify for a permit by completing Library Science 302, 303, 315, and 316.

	Hours
Books and Related Materials for Children and Young People	8
Organization and Administration of Libraries	8
Electives in Library Science	20

Elementary School Librarian

It is recommended that persons interested in entering the elementary school library field follow the curriculum listed below. The State of Mississippi has made provision for separate certification of elementary school librarians. This program meets the requirements for certification of the Office of Teacher Education, Certification, and Placement.

Freshman and Sophomore Years

Basic College Core and College of Education and Psychology Requirements

Junior and Senior Years

	Hours
LS 301, 302, 315, and 316	16
LS 427, 428, 462, and 463, CIF 416	20
CIF 300, CIE 305, CIE 306	12
CIE 309, CIE 317, CIE 343, CIE 480	24
EPY 316	4
Fine Arts	4
Electives	22

LIBRARY SCIENCE COURSES (LS—170)

301—**Book Selection.** Four hours.

A general study of principles of selection and standards for evaluation of books, periodicals and other library materials; book publishers, series and editions; use of standard book selection aids.

302—**Books and Related Materials for Children.** Four hours.

A study of library materials and their uses for children of preschool age through the elementary grades; emphasis on the examination of both printed and audio-visual materials.

303—**Books and Related Materials for Young People.** Four hours.

A study of the reading needs and interests of adolescents with criteria for selecting books for the school library. Emphasis on a wide study of both books and allied materials.

315—**Organization and Administration of School Libraries.** Four hours.
A study of the technical processes involved in organizing a library, circulation, classification and cataloguing; care of collection; maintenance of library materials, library quarters and equipment; finance; the acquisition of books and non-book materials.

316—**Organization and Administration of School Libraries.** Four hours.
Continuation of LS 315. To be taken concurrently with LS 315.

NOTE: CIF 416 may be counted as library science. For description, see Department of Research and Human Development.

427—**School Library Reference Materials.** Four hours.
Required for the 28-hour program and above.
The study and evaluation of basic reference materials for school library use

428—**School Library Reference Materials.** Four hours.
Prerequisite: LS 427. Not required on 28-hour program.
A study of the more specialized reference material, including bibliographic and government materials, lectures, and problems.

462—**Classification and Cataloguing.** Four hours.
Prerequisites: LS 315, 316, and 427.

A study of the fundamental principles and methods of classification and cataloguing suitable for the average school library situation. Dewey Decimal Classification and simplified cataloguing with emphasis on the printed cards and other aids.

463—**Classification and Cataloguing.** Four hours.
Prerequisite: LS 462.
Expansion of the principles and methods of classification and cataloguing with attention given to more advanced problems.

489—**Practice Work.** Five hours
Culmination course of majors in library science; to be taken with B.S. non-teaching degree. Experience in various phases of library work. Approximately 150 hours of laboratory work.

490—**School Library Problems.** One and one-half hours each.
An intensive course through group study in the analysis of special problems in the library field. Full-time work for five days, offered during the summer quarter; to be conducted through the cooperative efforts of the Department of Library Science and the State Department of Education. May be taken three times.

DEPARTMENT OF PSYCHOLOGY (PSY—175, 180)

Ray S. Musgrave, Chairman

Baker, Hildman, Huckabee, Koeppel, Lowe, Lucy, McCullough, Mehearg, Moffat, Rabin, Sisemore, Welker, Yarnell

The Department of Psychology offers a full range of courses in psychology in either of two major sequences: general and pre-professional. It also functions as a service department in teacher-education, offering certain courses required for teacher certification. The Department also offers courses for other schools and departments which require or recommend courses in psychology in their respective curricula. For graduate programs consult the **Graduate Bulletin.**

Requirements for Major

A student majoring in psychology may elect one of several alternative plans. He may work toward either the Bachelor of Science or the Bachelor of Arts degree. In each degree program he may follow either the pre-professional major sequence, or he may elect the general major program. The student's choice of program should be determined by his plans for the future and worked out in consultation with his faculty adviser. A major consists

of thirty-six (36) hours of psychology in addition to PSY 201, and may include EPY courses.

General Psychology Major

This major is provided for the student who is interested in psychology and who plans to enter an occupation other than professional psychology. The student who elects this major will not be recommended for professional work in psychology or for graduate professional training. Students aspiring to advanced professional training in psychology should take the pre-professional sequences.

Suggested Minor

It is suggested that students planning to minor in psychology, in addition to PSY 201, should take PSY 302, 360, 370, 484 and eight (8) additional hours.

Teaching Psychology in High School

Students planning to teach psychology in high school should plan their entire course very carefully with their faculty adviser. They must meet State Department of Education certification requirements while minoring in secondary education. They should take the pre-professional psychology major sequence.

Pre-Professional Psychology Major

This major sequence is planned to provide the student with the background and skills essential for graduate professional training in psychology.

A. Curriculum—Basic College and School Requirements

The student working toward either degree must include the appropriate core curriculum requirements for his degree.

Students who contemplate advanced graduate work are reminded that a reading knowledge of two foreign languages is usually required. Study of German or French is recommended as a part of the undergraduate program for pre-professional psychology majors. Bachelor of Arts students will take one of these languages to meet core requirements.

B. Curriculum—Departmental Requirements

1. General and Specific Requirements.

The student wishing to major in psychology, regardless of his degree plan, must take thirty-six (36) hours in the Department of Psychology, in addition to PSY 201. Required of all majors are PSY 302, 360, 370, and 484.

The student taking the pre-professional psychology major should, in addition to PSY 201, take PSY 302, 360, 370, and 484 as indicated above, and PSY 472, 480, or 481, and 482. The remaining hours for the major are elective within the Department.

Courses designated EPY may be used toward a psychology major.

C. Curriculum—Minor and Electives

In addition to the core, School, and departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

PSYCHOLOGY (PSY—175) AND EDUCATIONAL PSYCHOLOGY (EPY—180) COURSES

PSY 201—**General Psychology.** Four hours. Every quarter.
Open to freshmen.
An introduction to the scientific study of human behavior and experience.

PSY 202—**Applied Psychology.** Four hours. Every quarter.
Prerequisite: PSY 201.

Application of psychological methods and principles to occupational fields other than education, including business and industry, law, medicine, the ministry, and others.

PSY 302—**Advanced General Psychology.** Four hours. Fall and Spring.

An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

EPY 316—**Human Growth and Development, Part I: Child.** Four hours. Every quarter.

Prerequisite: PSY 201.

Study of the child through the elementary school years, emphasizing principles and problems of development. Case studies of individual children.

EPY 317—**Psychology of Preadolescence and Early Adolescence.** Four hours.

The study of human growth and development during later elementary and junior high school years.

EPY 319—**Educational Psychology.** Four hours. Every quarter.

Prerequisite: PSY 201.

Application of psychological methods, facts, and principles to education.

EPY 332—**Human Growth and Development, Part II: Adolescent.** Four hours. Every quarter.

Prerequisite: PSY 201.

A course dealing with development of the individual through the adolescent years. Case studies of individual adolescents.

PSY 337—**Mental Hygiene.** Four hours. Winter and Summer.

Prerequisite: PSY 201.

Characteristics of the wholesome personality and the building of healthy emotional attitudes; promotion of good mental health and prevention of abnormalities. Emphasis is placed on increased personal efficiency.

PSY 350—**Developmental Psychology.** Four hours.

A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take EPY 316 or 332 should not take this course.

PSY 360—**Introduction to Statistics for the Behavioral Sciences.** Four hours. Every quarter.

Computation of measures of central tendency, variability, and correlation. Introduction to concepts of sampling techniques (t tests, chi square, and analysis of variance).

PSY 370—**Experimental Psychology.** Four hours. Every quarter.

Prerequisites: PSY 302 and PSY 360.

Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology such as perception, learning, and motivation. Lecture and laboratory.

EPY 420—**Developmental and Educational Psychology for Teaching Interns.** Twelve hours.

A study of human growth and development, the psychology of teaching and learning, and principles and practices in measurement and evaluation. This course is to be completed over three quarters by teaching interns. Four hours credit will be awarded each quarter.

EPY 440—**Learning in Adult Education.** Four hours.

A study of learning in adulthood, and related to a range of educational programs.

PSY 445-G445—**Social Psychology.** Four hours. Winter and Summer.

Prerequisite: PSY 201.

Psychological factors and influences in group behavior. Study of the individual in group situations, and the influence of the social environment on his behavior and development.

PSY 449-G449—**Industrial Psychology.** Four hours. Fall and Spring.

Prerequisite: PSY 201. (PSY 360 recommended).

Applications of psychological principles and methods to problems of industry, emphasizing employee selection and placement, merit rating, accident reduction, training, and measurement and improvement of employee morale.

PSY 451-G451—**Psychological Measurement.** Four hours. Winter and Summer.

Prerequisites: PSY 201 and 360.

Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests, and personality are emphasized.

PSY 470-G470—**Sensation and Perception.** Four hours.

Prerequisite: PSY 370.

A survey of sensory and perceptual processes with emphasis on the visual system.

PSY 472-G472—**Psychology of Learning.** Four hours.

Prerequisite: PSY 370.

A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

PSY 474-G474—**Comparative Psychology.** Four hours.

Prerequisite: PSY 370.

An introduction to the study of animal behavior with special emphasis on the comparison of psychological processes along the phylogenetic scale.

PSY 480-G480—**Psychology of Personality.** Four hours. Winter and Summer.

Prerequisite: PSY 201 and permission of the instructor.

A study of the facts involved in the development of the mature personality, with an analysis of the structure and dynamics of personality; critical review of methods of personality evaluation.

PSY 481-G481—**Abnormal Psychology.** Four hours. Fall and Spring.

Prerequisites: Good background in psychology and permission of the instructor.

Study of the major psychoses, the psychoneuroses, and mental deficiency; field trips and demonstration clinics. Primarily for psychology majors, premedical students, and students planning to enter law, social work, teaching, or the ministry.

PSY 482-G482—**Physiological Psychology.** Four hours. Winter and Summer.

Prerequisite: PSY 201.

Relationships between physiological functions, especially those of the nervous system, and psychological functions, including perception, emotion, motivation and learning. Primarily for psychology majors and premedical students.

PSY 484-G484—**History and Systems of Psychology.** Four hours. Fall and Spring.

Prerequisite: Permission of the instructor.

Review of the history of psychology, and intensive study of current systems of psychology. Primarily for psychology majors as final senior course.

PSY 492—**Special Problems in Psychology.** Two to eight hours. As needed.

Prerequisites: PSY 370 and consent of instructor.

PSY 498—**Senior Thesis.** Four hours.

Prerequisite: Permission of department chairman and instructor.

DEPARTMENT OF RESEARCH AND HUMAN DEVELOPMENT

(RED—135) (CIF—125) (CIA—110)

L. C. Welker, Jr., Chairman

Berry, Brantley, Cooley, Cooper, Dennis, Easterling, Hagenson, Kazelskis, H. Knight, Lee, Padgett, Peters, O. Phillips, L. L. Rogers, Shaffer, Sievers, and R. P. Thomas.

The Department of Research and Human Development provides supportive services in teacher education. At the undergraduate level, these services include Education Foundations, Educational Media, Student Teaching, and Adult Education. At the graduate level, these services include Educational Foundations, Educational Media, Adult Education, and Research Training.

OFFICE OF STUDENT TEACHING

Leroy Rogers, Director

Berry, Brantley, Cooley, Dennis, Lee, Padgett, Phillips, and Sievers

The basic purpose of the student teacher program is to provide all students in teacher-education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. The student teacher's assignment is for a full-day, full-quarter for which he earns twelve quarter hours credit. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting both his request and application for student teaching.

REQUEST—Formal request must be submitted to the Office of Student Teaching during the registration period two quarters prior to student teaching. Request for fall quarter student teaching must be filed during the registration period of the previous winter quarter.

APPLICATION—On the day the student is regularly scheduled to register, one quarter prior to student teaching, the prospective student teacher must obtain his application for student teaching. The application must be completed and submitted with his adviser's signature within ten days.

All student teachers:

1. Must have completed a minimum of 132 quarter hours of college work.

2. Must have completed a minimum of twenty-four (24) quarter hours in their major field, eight (8) of which must have been taken in residence in this institution.

3. Must have at least a 2.2 overall grade average at the time they submit their application.

4. Candidates for student teaching in the elementary school must have completed the following courses—CIF 300, CIE 301, 305, 306, 309, 311 or 312, EPY 316 or 317 and 319.

5. Candidates for student teaching in the secondary school must have completed CIF 300, EPY 332 and 319, CIS 451 and other methods courses.

6. Must have passed the English Proficiency Test.

7. Must have been admitted to a teacher-education program for at least two quarters.

8. Must expect to spend the entire school day in an off-campus school designated by the Director of Student Teaching.

Candidates for student teaching in the secondary school should register for CIS 313, **Principles of Teaching in High School**, simultaneously with student teaching.

Candidates for student teaching in the elementary school should register for CIE 343 or 425, **Methods and Materials in Elementary Education**, simultaneously with student teaching.

For specific requirements, see elementary education courses listed as CIE 480, 482, 489, and secondary education courses listed as CIS 481 A through S, and CIS 489.

Regulations for Admission to Student Teaching Seminar CIE 489 and CIS 489

Student teaching for in-service teachers will be offered each summer quarter for eight (8) quarter hours. To be eligible for this course:

1. The applicant shall submit evidence of two years teaching experience and a recommendation from a principal or superintendent under whom the applicant has worked.
2. The applicant shall present evidence of a contract for the coming school year.
3. The applicant shall have previously earned sixteen (16) quarter hours from this institution and shall not be on probation.
4. The applicant must be in an undergraduate degree program at this institution.
5. The applicant must be teaching in Mississippi.
6. The applicant must meet all the requirements for student teaching.
7. Permission to enroll in these classes shall be granted by the Director of Student Teaching following an interview with the applicant.
8. Application for in-service student teaching must be made in the Student Teaching Office by March 30.

TEACHING INTERNSHIP

A teaching internship is offered as an alternate program in teaching certification. The student selecting this program must participate for one school year as an intern in a school system that has been approved as an intern center. Selection of students for the program is made by the participating school system with approval by the University. Any student desiring to enter this program should contact the Director of Interns in the College of Education and Psychology as he enters his junior year.

CIE 492 Internship in Kindergarten and Primary Education
CIE 413 Internship in the Middle School
CIS 494 Internship in Secondary Education
CIA 495 Internship in Adult Education

Twelve (12) hours credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 420** and **CIF 421** must be completed during the internship. Enrollment is by permission of the Director of Interns only.

EDUCATIONAL MEDIA CENTER

John R. Shaffer, Director

R. P. Thomas Peters

To serve better the schools of Mississippi and to provide higher standards of teacher education and campus instructional services, the University has established an Educational Media Center. The Center administers a regional film library, campus educational television, graphic and audiovisual services, as well as teacher education laboratories for curriculm materials, teaching

the use of audiovisual equipment, and the production of instructional materials of all kinds.

The Educational Media Center carries out a multiphased program of service, curriculm and research which is designed to function cooperatively with all areas of the University community. The Center's staff of media specialists is available to assist local school districts with faculty inservice workshops, surveys, consulting services, and with the design and development of instructional systems for individual instruction, ungraded schools, and adult education.

The curriculum plan encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers, while graduate courses are designed to supplement existing programs and to provide a nucleus for individuals with a strong interest in media at the graduate level.

The University film library serves members of the South Mississippi Education Film Association, and it rents films to non-member schools at a minimum rental charge. This cooperative film library has served the schools of South Mississippi for twenty-three (23) years, and it is continuing to upgrade and expand its offerings in all fields. School administrators may obtain film catalogues and staff services by writing to:

The Director
Educational Media Center
Southern Station, Box 54
Hattiesburg, Mississippi 39401.

FOUNDATIONS COURSES (CIF—125)

300—**Public Education in the United States.** Four hours.

An orientation to public education in the United States including the background, purposes, organization, trends, and issues and the evolution of teaching as a profession.

To be taken the last quarter of the sophomore year.

Required as a phase of screening for admission to a teacher-education program in the College of Education and Psychology.

334—**Improvement of Study.** Two hours.

Prerequisite: Permission of the instructor.

An analysis of effective study techniques for use by secondary school teachers. Useful for college students who wish to improve their own reading and study habits.

336—**Principles of Guidance.** Four hours.

An introductory course dealing with the fundamental philosophy, methods, and organization of guidance services in the public schools.

416—**Audiovisual Education.** Four hours.

A general course for teachers with emphasis upon sound and visual classroom teaching aids. Careful attention given to the sources, selection, preparation, and uses of audiovisual materials.

421—**Seminar for Teaching Interns.** Twelve hours.

Open to intern-teachers only.

469—**Tests and Measurements.** Four hours.

Prerequisites: EPY 319, 332, or 316, and senior standing.

Consideration of good evaluative practices in elementary and high schools, the preparation and use of informal objective and essay-type tests, a study of typical standard tests, and an introduction to elementary statistical procedures useful in interpretation of results.

ADULT EDUCATION (CIA-110)

440 **Methods and Materials in Adult Basic Education.** Four hours.
441 **Foundations of Reading Instruction for the Adult.** Four hours.
442 **Methods and Materials for Teaching Adults to Read.** Four hours.
495 **Internship in Adult Education.** Four hours.
540 **Organization and Administration of Adult Education.** Four hours.

DEPARTMENT OF SCIENCE EDUCATION (SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale, Flowers,
Hurst, Matthews, Sonnier

The Department of Science Education is operated jointly by the College of Science and the College of Education and Psychology. The facilities are in the College of Science. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

OBJECTIVES

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

CURRICULUM AND PROGRAMS

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year in college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from 35 to 44 quarter hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the four-year program is given below:

FRESHMAN YEAR

	Hours
English 111, 112, 113	12
Mathematics	12
Chemistry 101, 102, 103	15
American Government, PS 101	4
Allied Arts 100	4
Health 179	4

SOPHOMORE YEAR

Biology 101, 102, 103, 104	16
Literature or Advance Grammar, ENG 210, 215, 219, or 433	8
History 101, 102	8
Geography 203 or 204	4
Physics 101, 102, 103	15

JUNIOR YEAR

Psychology 201	4
Sociology 103	4
Public Address 101	4
Geology 101, 103 or 260	8

Begin prescribed (36 hours) professional education sequence
Additional sciences (Note: biology specialists must complete organic chemistry.)

SENIOR YEAR

Complete education sequence (total)	36
CIS 451J (quarter preceding student teaching)	4
CIS 313, 481J	16
Science Education 400-level course in specific science area	4

Complete required science courses and credits needed for graduation.

Biology courses for specialization—101, 102, 103, 104 220, 301, 302, 401 and three electives.

Chemistry courses for specialization—101, 102, 103, 301, 302, 303, 304, 305.

Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 301, 260 or 310, 302 or 314; AST 301, 302, 303; GHY 203, 204, 480, 350 or 479

Physics courses for specialization—101, 102, 103, 371, 381, and three electives

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Although a student may minor in general science, it may not be applied to the science teacher training program.

Students in the College of Science should discuss minors in the sciences with their adviser and/or the particular science department chairman. Students in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for

science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

SCIENCE EDUCATION COURSES (SCE—380)

Including Fundamentals of Science (FS—390)

Fundamentals of Science: a sequence of two courses in the physical sciences and two in the biological sciences. Each course carries four (4) quarter hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various science departments, the student should read carefully the prerequisites and limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses. Fundamentals of Science courses must be taken in sequence.

FS 104—**Physical Science I.** Four hours.

A student who has credit for two quarters or one semester of physics cannot receive credit for this course.

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Four hours.

A student who has credit for one semester or two quarters of chemistry and/or physical or historical geology cannot receive credit for this course.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I.** Four hours.

Elementary studies in the general life sciences. Emphasis is upon unifying principles and the development of biological theories. Important ideas are: cell theory and biochemical processes, heredity, evolution, and interdependence.

FS 107—**Biological Science II.** Four hours.

A continuation and enlargement of ideas presented in FS 106. A student who has credit in Biology 101 and 102 or the equivalent cannot receive credit for FS 106 and 107.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Six hours lecture—laboratory per week.
Prerequisite: Permission of instructor.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn.

SCE 401-G401—**CHEM Chemistry for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.
Prerequisite: Permission of instructor.

A course designed to familiarize chemistry teachers with the materials, methods, and techniques of teaching chemistry developed by the Chemical Education Materials Study Committee. Unifying principles of chemistry are emphasized, with laboratory work providing the basis of development.

SCE 402-G402—**PSSC Physics for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of instructor.

A course designed to familiarize physics teachers with content, methods, materials, and techniques of physics developed by the Physical Science Study Committee and other national physics curriculum development groups.

SCE 403-G403—**ESCP Earth Science Methods and Materials for Teachers.** Four hours.

Six hours lecture-laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize teachers with content, methods, material, and techniques developed by the Earth Science Curriculum project committee.

SEC 404—**Biological Sciences for Intermediate School Teachers.** Four hours.

A detailed critical examination of the subject matter, techniques, and methods for teaching the life sciences in a locally structured, student-oriented-classroom Micro-teaching is provided to insure a new kind of teaching as required by new kinds of educational materials. This course may not be used to fulfill University core requirements.

SCE 405 **Physical Sciences for Intermediate School Teachers.** Four hours.

A detailed critical examination of the subject matter, techniques, and methods for teaching the various modern physical science curriculum project materials. This course will orient teachers with the philosophy of science as a tool of learning and emphasize the use of the laboratory as a tool of science. This course may not be used to fulfill University core requirements.

SCE 432—**Science for Elementary Teachers.** Four hours.

Prerequisites: FS 104, 105, 106, 107, or 8 quarter hours in physical science and 8 quarter hours in biological science.

Six hours of lecture, audio-visual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades, and provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods. Required of and designed for elementary education majors only.

DEPARTMENT OF SPECIAL EDUCATION (SPE—190)

William V. Plue, Chairman

Cotten, Musgrave, Norsworthy, Pierce

The University of Southern Mississippi prepares teachers to teach in several areas of exceptionality. Certificate programs, Grades K-12, are available in Mental Retardation, Learning Disabilities, Physically Handicapped, Visually Handicapped, and Speech and Hearing. Students who wish to become speech therapists should follow the program outlined under the Department of Speech and Hearing Sciences.

Students who specialize in teaching exceptional children ordinarily major in special education with emphasis in their major area of interest. It is possible for students majoring in elementary education and others to take an area of concentration in special education and obtain an endorsement to teach in selected areas.

Students wishing to major in special education should follow the program outlined below. All prospective majors, or students electing a concentration field, are urged to consult with a member of the Department of Special Education in planning their programs.

Freshman and Sophomore Years	**Hours**
English	20
Science (to include 4 hours each of physical and biological science)	16
History 101, 102, or 111, 112	8
Select one course from three of the following fields: PS 101, SOC 103, GHY 103, ECO 200 or 255	12
Psychology 201	4
Mathematics 100 and 318	8
Public Address 101	4
Health 179	4
Physical Education or Military Science	3
ARE 107, 309	8
CIF 300	4
SPE 300	6
	97

Junior and Senior Years

Programs will be scheduled individually with an adviser in the Special Education Department. In general, a minimum of eight quarter (8) hours will be taken in educational psychology and sixteen (16) quarter hours in curriculum and instruction. Courses required in Special Education (SPE) are:

486—Psychology and Education of the Exceptional Child 4

455—Speech and Hearing Problems for Classroom Teacher or SHS 301—Introduction to Speech Therapy 4

470—Curriculum Adaptation for Handicapped Youth 4

487—Problems in Special Education 4

475—Parent-Student-Teacher Relations in Special Education 2

Student Teaching 12

495—Psycho-Educational Evaluation of Exceptional Child 4

Special Education majors will be required to take additional course work leading to state certification as determined by the student's area interest. Requirements and electives are to be taken to make a total of ninety-six (96) quarter hours for the two years.

Majors in speech therapy and audiology may minor in Special Education. The minor will require EPY 316, EPY 319, EPY 332, CIE 343, SPE 486, SPE 451, and a minimum of twelve (12) quarter hours in SPE 471, Student Teaching and Clinical Experience in Special Education.

SPECIAL EDUCATION COURSES (SPE—190)

300—**Practicum in Special Education.** One to six hours. Every quarter.

This course is designed to give students observation of and actual participation with exceptional children prior to their student teaching experiences. This course is to be taken as soon as possible after entering the College of Education and Psychology. The course is designed to be taken for two hours credit for each of three quarters except in rare or unusual instances. This is a cooperative program involving public, private, and institutional classes. This course can only be taken with permission of the instructor.

441-G441—**Physiology and Hygiene of the Eye.** Four hours. Fall.

Identification, function, and care of the eye as it relates to the visually handicapped.

442-G442—**Methods and Materials in Teaching Visually Handicapped.** Four hours. Winter.

A study of practices commonly used in educational programs including Braille, space orientation, special materials, and organization.

450-G450—**Psychology and Education of the Mentally Retarded.** Four hours. Fall, Winter, Summer.

Prerequisite: SPE 486, or permission.

A study of the social, emotional, physical, and intellectual characteristics of the mentally retarded; methods of diagnosis and differentation; and special class organization.

451—**Methods in Speech and Hearing.** Four hours. Winter.

Prerequisites: SHS 301 and speech pathology major.

A course designed to acquaint the speech and hearing major with clinical conditions as found in public schools, including practice with various types of speech and hearing cases, and instruction in working with parents, teachers, and the public in solving speech and hearing problems.

453-G453—**Learning Disabilities.** Four hours. Fall, Winter, Summer.

Prerequisite: SPE 486, or permission.

A study of social, emotional, physical, and learning characteristics of extreme learning disabilities including the visual-motor-perceptual complex; extreme reading and expressive language problems; diagnosis; and class organization.

455-G455—**Speech and Hearing Problems for the Classroom Teacher.** Four hours. Winter and Summer.

A course designed to acquaint the teacher with speech and hearing problems commonly found in the classroom.

460-G460—**Methods and Materials for Teaching the Mentally Retarded.** Four hours. Winter, Spring, Summer.

Prerequisite: SPE 450, or permission.

A study of methods and materials most useful in teaching the mentally handicapped.

461-G461—**Psychology and Education of the Physically Handicapped.** Four hours. Winter.

A study of major handicapping conditions, adaptations, social, emotional, and intellectual consideration.

462-G462—**Curriculum for the Physically Handicapped.** Four hours. Spring.

A study of education programs for the physically handicapped.

465-G465—**Methods and Materials in Learning Disabilities.** Four hours. Winter, Spring, Summer.

Prerequisite: SPE 453, or permission.

A study of methods and materials most useful in teaching the perceptually handicapped. A variety of media and methods will be emphasized to meet the needs of this exceptionality and also possibly to illustrate appropriate materials for other exceptionalities.

470-G470—**Curriculum Adaptations for Teaching Handicapped Youth.** Four hours. Winter, Spring.

Examination of the educational needs of mentally, physically and emotionally handicapped youth of secondary school age and methods of meeting these needs. Emphasizes the principles and procedures of the cooperative Special Education-Vocational Rehabilitation program.

471—**Student Teaching and Clinical Experience in Special Education.** Up to twelve hours.

475—**Parent-Student-Teacher Relations in Special Education.** Two hours.

Skills and techniques of working with parents to enable them to enhance the education of exceptional children.

480—**Student Teaching of the Mentally Retarded.** Twelve hours.

482—**Student Teaching the Visually Handicapped.** Twelve hours.

483—**Student Teaching the Physically Handicapped.** Twelve hours.

485—**Student Teaching in Learning Disabilities.** Twelve hours.

486-G486—**The Psychology and Education of the Exceptional Child.** Four hours.

Considers the psychological and educational needs of children in the typical groups; physically, visually, or auditorially handicapped; defective speech, mentally retarded, and socially and emotionally maladjusted.

487-G487—**Problems in Special Education.** Four hours. Fall, Spring.

Organization and administration at both state and local levels of the education of the exceptional child.

489—**Seminar in Special Education of Student Teaching.** One to eight hours. Arranged.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment.

490-G490—**Workshop in Special Education.** Four and one-half hours. Summer.

Workshops in selected areas of special education.

491—**Special Problems in Special Education.** One to six hours. Arranged.

A consideration of special interest areas in the field of exceptional children. This course is designed for particular group participation and must be arranged with the Department of Special Education.

495—**Psycho-Educational Evaluation of Exceptional Children.** Four hours. Fall, Spring, Summer.

Prerequisite: PSY 201

Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

COLLEGE OF LIBERAL ARTS

Claude E. Fike, Dean

PURPOSE

It is the purpose of the College of Liberal Arts to provide a broad cultural and educational experience, specialized disciplines in major and minor fields, and pre-professional programs. Consult the **Graduate Bulletin** for postbaccalaureate programs.

A student wishing to enter the College of Liberal Arts must complete the core requirements in the Basic College with an over-all C average, and then make application for transfer to the College of Liberal Arts. He will then be assigned to the departmental chairman of his major field for academic advisement. The student should note the specific Bachelor of Arts or Bachelor of Science degree requirements of the College of Liberal Arts as given below in order to complete as many of the required courses as possible in the Basic College prior to transfer. See departmental offerings for major and minor requirements.

For the **Bachelor of Arts Degree:**

The following courses must be taken **as part of or in addition to** the General Core Curriculum:

	Hours
English	20
History	8
Other Courses	16
Four hours from each of the following areas: geography, sociology, political science, philosophy.	
Science	8
Mathematics	4
*Foreign Language	8-16
Physical Education or Military Science	3

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing eight quarter hours at the 200 level or above.

For the **Bachelor of Science Degree:**

The following courses must be taken **as part of or in addition to** the General Core Curriculum:

	Hours
English	16
History	8
Science	16
May include Fundamentals of Science	
Mathematics	4
*Other Courses	28
Includes the following areas with four hours from each area: political science, geography, sociology, psychology, philosophy, allied arts, economics.	
Physical Education or Military Science	3

*Students who certify to teach must also include PA 101 and HTH 179.

Note: Foreign Language may be required for the Bachelor of Science degree in the College of Liberal Arts upon the option of the department involved.

ORGANIZATION

The College of Liberal Arts is organized into ten departments: Communication, English, Foreign Languages, Geography, History, Military Science, Political Science, Religion and Philosophy, Sociology, and Speech and Hearing Sciences. The Department of Military Science has no academic major or minor. Other departments offer both majors and minors.

A major and a minor in American Studies, Latin American Studies, Linguistics, and Social Studies are administered by the College of Liberal Arts and involve an interdisciplinary curriculum (see description below).

AMERICAN STUDIES PROGRAM

Hilton Anderson, Director

The University of Southern Mississippi offers an interdepartmental major in American Studies leading to the Bachelor of Arts degree in the College of Liberal Arts. The program is especially designed for those interested in acquiring a liberal education in the areas of American civilization and culture. It is also highly recommended for people considering a career in law.

The student's work will be selected from courses in history, political science, sociology, communication, literature, art, music, theatre, philosophy, geography, and other pertinent areas. In conjunction with his adviser, if desired, the student can design a program focusing on some particular aspect or period of American culture.

For a major, the requirement is a minimum seventy-two (72) hours, a number of which may also satisfy the core curriculum. No minor is required. Students pursuing this program will be advised by an interdisciplinary committee on American Studies.

The student planning to major in American Studies should fulfill his combined core (General Core and Liberal Arts Core) with the following:

	Hours
English 111, 112, 113, 300, 301	20
History 111, 112	8
Philosophy 101	4
Economics 200	4
Geography 410	4
Sociology 103	4
Political Science 101	4
Mathematics	4
Science	8
Physical Education or Military Science	3
Foreign Language	8-16
	71-79

In addition, the student must take any of the following not already completed to fulfill his major-minor requirements:

		Hours
English 300, 301	American Literature I and II	8
History 111	United States to 1877	4
History 112	United States Since 1877	4
Political Science 101	American Government	4
Political Science 402	American Political Theory	4
Geography 410	Geography of U. S. and Canada	4
Fine Arts	(American Music, Art, Theatre)	4
American Studies	(from 301, 302, 303, 401, 402)	4
Colloquium	(403)	4
American Studies Seminar	Electives in courses approved by	
Electives	American Studies Committee	32
	Total	72

The student who desires to pursue a major in American Studies and be certified to teach in the public schools must also meet the general requirements for certification in the College of Education and Psychology. He must also meet the requirements for certification in English or social studies.

LATIN AMERICAN STUDIES PROGRAM

Orazio Ciccarelli, Director

The Latin American Studies Program offers: (A) An interdisciplinary major in Latin American Studies; (B) A major in Latin American Foreign Trade (formerly a major in foreign trade shown on page 116 of the 1969-1970 **Bulletin**); (C) An interdisciplinary minor in Latin American Studies. The program is designed to prepare students for careers in government, business, teaching, or private organizations having Latin American interests. The requirements listed below are in addition to the Basic College core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students pursuing this program will be advised by the interdisciplinary Latin American Studies Committee.

A. Interdisciplinary Major in Latin American Studies

	Hours
1. History 330 and 332	8
2. History 418 or 419 or 458	4
3. Geography 418 or 420	4
4. Political Science 480	4
5. Economics 413	4
Total	20

and a total of twenty (20) hours elected from the following four hour courses:

History 418, 419, 459
Geography 418, 420
Political Science 481, 482, 483
Economics 435, 436, 440
Major Total ..... 44 hours

In addition the student must complete Spanish or Portuguese studies in the Foreign Language Department relevant to Latin America equal to twelve (12) hours above the 300 level.

B. Major in Latin American Foreign Trade

	Hours
Accounting 201, 202, 203—Principles of Accounting	12
Finance 389—Business Finance	4
Political Science 457—International Politics	4
Political Science 458—International Organization	4
Political Science 482—Inter-American Politics	4
Political Science 483—Latin American Political Intergration and Development	4
Geography 305—Introductory Economic Geography	4
Economics 340—Price Theory	4
Economics 345—Income Theory	4
Economics 413—The Economy of Latin America	4
Economics 435—International Trade Theory	4
Economics 436—International Economics Relations	4
Economics 440—Economic Development	4
*Foreign Language—additional to B.A. requirements	12
Total	72

Four electives, two of which will be from the following list, plus 2 hours of special problems:

History 332, 418, 419, 459 .....
Economics 330, 470 .....
Geography 418 .....
Total Electives ..... 18 hours

*Foreign language is a second language, Spanish, Portuguese, or English, depending on the nationality of the student.

C. Interdisciplinary Minor

	Hours
1. History 303 and 332	8
2. History 418 or 419 or 459	4
3. Geography 418 or 420	4
4. Political Science 380 or 480, 482	8
5. Economics 413	4
Total	28

LAW ENFORCEMENT PROGRAM

William H. Hatcher, Chairman
Oubre

The Law Enforcement Program offers an interdisciplinary major consisting of courses in law enforcement, political science, sociology, and military science. There is no minor. Courses in psychology, health, physical education, and a number of other disciplines are recommended electives.

The Law Enforcement Program is designed to provide the student with sufficient professional training in law enforcement to prepare him for a career in that profession. The professional courses, however, are based largely upon a broad course offering in the College of Liberal Arts.

The program is temporarily housed in the Political Science Department and students will be advised by the chairman of that department.

Requirements for the Major:

Twenty-eight (28) quarter hours in law enforcement (or less, if so advised), sixteen (16) hours in related courses in political science, twenty-eight (28) hours in sociology [(twenty (20) being in courses directly related to law enforcement)], and military science.

Law Enforcement:	**Hours**
LE 200	4
LE 201	4
LE 202	4
LE 401	4
LE 402	4
Electives in Law Enforcement	8

Political Science	**Hours**
PS 101	4
PS 301	4
PS 412	4
PS 434	4
PS 435	4

Sociology	**Hours**
SOC 103	4
SOC 201	4
SOC 233	4
SOC 301	4
SOC 380	4
SOC 429	4
Elective in Sociology	4
Military Science	9
Total Hours in the Major	77

Electives: (To make a total of 192 hours.)
Recommended courses:
Military Science: Remainder for commission
Political Science 492: Readings of Recent Supreme Court Decisions on Police Matters.
Psychology: 201, 202, 337, 445, 481
Educational Psychology: 332
Philosophy: 210
Physical Education: Marksmanship and Judo
Health: 333, 335, 343, 437

LAW ENFORCEMENT COURSES (LE—281)

200—**Introduction to Law Enforcement.** Four hours.
201—**Police Administration.** Four hours.
202—**Police Administration.** Four hours.
Prerequisite: LE 201
Continuation of LE 201.
301—**Police Operations.** Four hours.
302—**Police Role in Crime and Delinquency.** Four hours.
303—**Criminal Law.** Four hours.
304—**Criminal Investigation.** Four hours.
305—**Traffic Problems.** Four hours.
306—**Police Reporting Systems.** Four hours.
307—**Criminal Guidance and Procedure.** Four hours.
401—**Internship.** Four hours.
402—**Internship.** Four hours.
Prerequisite: LE 401.
Continuation of LE 401.
408—**Police Problems.** Four hours.

A seminar-type course dealing with problems affecting all sizes of police departments, tying together the knowledge of law enforcement previously learned.

LINGUISTICS PROGRAM

Marice C. Brown, Director

The Linguistics Program is interdisciplinary in nature and is drawn from the Departments of Communication, English, Foreign Languages, Speech and Hearing Sciences, and Sociology. It is primarily designed to undergird careers calling for proficiency in the use and/or analysis of languages: the teaching of languages (including English either as a first or second language), government service, business with overseas operation, and the area of international relations. Students pursuing this program will be assigned an adviser by the director of the program.

Requirements for Major

A baccalaureate student majoring in linguistics pursuant to a Bachelor of Arts degree will take the following courses:

	Hours
FL 200 and 342	8
PA 230 and 354	8
ENG 437, 434, and 408	12
One of the following:	
FRE 343, GER 343, SPA 343, or RUS 343	4
Major Total	32

In addition to the major core, the student will elect twelve (12) hours from the following, making a total requirement of forty-four (44) hours:

	Hours
ENG 406	4

GHY 301 4
FL 300 4
PA 438 4
SHS 336 and 406 8
SOC 309 4

Other related courses may be substituted in the elective hours by permission of the Interdisciplinary Committee for the Linguistics Program.

Requirements for Minor

A minor in linguistics may be obtained with a total of twenty-eight (28) hours, sixteen (16) of which must be the following:

PA 230 and 354 ..... 8 hours
ENG 434 and 437 ..... 8 hours
Total .....16 hours

The remaining hours may be selected from any of the courses recommended for the major.

Since the program is interdisciplinary, no course in any of the departments involved may be used for both major and minor credit.

SOCIAL STUDIES PROGRAM

A major and minor in the area of Social Studies is a program jointly sponsored by the College of Liberal Arts and the College of Education and Psychology. It is generally geared to the prospective teacher in secondary education. A student majoring in social studies may elect the degree program of either college. Major requirements are listed below; minor requirements should be worked out according to the needs of the major, and they are not listed in order to achieve more flexibility for the student.

Hours

History 24
History 101, 102, 111, 112, 367, and 4 hours elective
Political Science 16
Political Science 101, 300, 301, and 4 hours elective
Geography 12
Geography 103, 370, and 301 or 305
Sociology 12
Sociology 103, 233 or 201, 450 or 430
Economics 200, 330, or 255 and 256 8
Total 72

DEPARTMENT OF COMMUNICATION

Stanford P. Gwin, Chairman

Albers, Bishop, Clark, Gandy, George, Gregory, Lacy, Pittman, Tucker, Waite, Willis, Wilson

The Department of Communication offers majors in communication, journalism, radio-television-film, public address, advertising, general speech education, and journalism education and participates in interdisciplinary majors in American Studies and Linguistics.

Majors and minors, even while in the Basic College, should confer with the chairman or area director to plan degree programs. Changes in the degree plan must be approved by the major adviser.

Majors are required to participate six quarters in at least one of three practical communications activities: **The Student Printz**, WMSU, or intercollegiate debate.

Majors and minors are responsible for fulfilling the Basic College core and College of Liberal Arts requirements in addition to the specific requirements listed in the appropriate sections below.

Majors in public address, radio-television-film, or journalism may elect to minor in one of the other two divisions. Speech education and communication majors must minor outside the Department.

Communication

The communication major is designed to prepare students for careers in public relations or industrial communications. Candidates are advised to obtain practical experience in mass and interpersonal communications concurrent with their academic program. A broad background in the liberal arts and social sciences is desirable.

Students desiring a minor in communication should work out a program, in conjunction with their major adviser, from among these suggested courses: COM 200, 430, 447; JOU 102, 421, 423, 431; RTF 121, 422, 445.

Major requirements:	Hours
COM 200, 430, 447	12
JOU 102, 300, 421, 422, 423, 431	21
PA 341	4
RTF 121, 320, 422	9

Minor requirements:

An academic minor can be selected with the Department's approval from one of the following areas: marketing, management, general business, computer science, psychology, English, social sciences, history, sociology, geography, political science. Students desiring other minor programs may so petition the department chairman.

Public Relations Minor

Students outside the Department may secure a minor in public relations with the following recommended program:

JOU 421, 422, 423, 431
COM 350, 430
RTF 422,

COMMUNICATION COURSES (COM—208)

200—**Survey of Mass Communication.** Four hours.

Introduction to public address, radio-television-film, and journalism as communication forms and media; surveys common methodology and interrelationships, as well as history, structure, social function, and effects of mass media.

205—**Introduction to the Film.** Four hours.

History and criticism of the motion picture as one form of public communication, with emphasis on instructional, documentary, public relations, and advertising applications.

350—**Mass Media and Public Opinion.** Four hours.

An analysis of the interdependent relationships between the structures, techniques, and purposes of the mass media and public opinion. Also investigates the influence of the media on social issues, cultural values, and consumer preferences.

430-G430—**Business and Industrial Communication.** Four hours.

Prerequisite: Consent of instructor.

Survey of problems and principles of communication within business and industrial organizations and professional associations.

447-G447—**Theories of Mass Communication.** Four hours.

Prerequisite: Consent of instructor or COM 200.

Analysis of similarities and differences of process, elements, and effects

among interpersonal, newspaper, radio, and television; emphasis on construction and analysis of communication models.

451-G451—**Source Credibility and Public Image.** Four hours.

Analysis of communicator and media image as a variable in persuasion and propaganda; intensive study of source credibility effects in public relations, advertising, and political campaigning.

480—**Advertising Management and Sales.** Four hours.

Prerequisites: RTF 300, RTF 370, and consent of instructor.

Intensive study of budgeting and costs, account handling, routing of salesmen, sales techniques, rate structures, and organization of media advertising management within the context of the needs and problems of the advertiser.

PUBLIC ADDRESS

Students majoring in public address are required to complete forty (40) hours. Specifically required courses include: PA 111, 230, 310, 341, and 361; JOU 102; RTF 121; COM 200. Up to sixteen (16) hours of COM courses can be counted toward meeting major requirements. Other courses are to be selected with the approval of the Director of Public Address. Course programs will be tailored to individual needs or to specified vocational preparation.

Students minoring in public address are required to complete twenty-eight (28) hours, of which PA 101, 230, and 341 are required. All minor programs are to be selected with the approval of the Director of Public Address.

Public address majors may elect minor programs in any area approved by the University. Recommended minors include: psychology, marketing, management, political science, history, sociology, journalism, radio-television-film, computer science and statistics.

PUBLIC ADDRESS COURSES (PA—216)

101—**Oral Communication.** Four hours.

Fundamentals of speaking and listening. Emphasis on research, organization, and presentation of ideas.

111—**Argumentation and Debate.** Four hours.

Analysis of the principles of argumentation with emphasis on the preparation of cases on national problems, issue development, and refutation.

230—**Voice and Diction.** Four hours.

A course designed to improve delivery. Exercises in pronunciation, enunciation, volume control, and removal of regional diction errors.

310—**Forensics.** One hour. (May be repeated for six hours credit.)

Intercollegiate forensic activity. Only two hours can be counted toward meeting public address degree requirements.

341—**Persuasion.** Four hours.

Humor, personality, motivation, reasoning, and evidence in their relationship to opinion and attitude change. Study of research in persuasion in advertising, social psychology, public opinion and propaganda, and rhetoric. Practical problems in the design and presentation of persuasive messages.

354—**Phonemics.** Four hours.

Prerequisite: PA 230 or SHS 201.

361—**Discussion and Group Leadership.** Four hours.

Methods from dynamic interaction, sociometry, sociodrama, and other aspects of group work as related to communication in small management, business and professional, and community service groups; development of leadership ability and integration in groups.

370—**Speech Composition.** Four hours.

Prerequisite: Consent of instructor.

Designed for the improvement of oral and written style; performance as well as theory.

432-G432—**Symbolic Function in Persuasion.** Four hours.

Prerequisite: Consent of instructor.

Synthesis of communication methodologies from general semantics, field theory and cybernetics; application to interdisciplinary problems.

438-G438—**Theories of Speech Behavior.** Four hours.

453-G453—**Political Campaign Rhetoric.** Four hours.

A study of voter-campaign relationship and issue developmnet. Taught only during fall quarter of election year, state or national.

JOURNALISM

Journalism majors are required to complete forty (40) hours, which must include the following courses: JOU 102, 103, 300, 301, 330, 401; RTF 121, 324; COM 200. Majors can count up to eight (8) hours of COM courses toward meeting major requirements. Majors may elect to specialize in news-editorial or advertising.

A minor program in journalism consists of a minimum of twenty-eight (28) hours. Courses should be approved by the Director of Journalism.

All majors and minors are required to do practical work on **The Student Printz.** Others are invited to participate in the publication of the paper.

JOURNALISM COURSES (JOU—212)

102—**Beginning Reporting.** Four hours.

The study of gathering news and writing simple news stories. Study of leads, story structure, rewrites, follow-up assignments, polishing stories.

103—**Intermediate Reporting.** Four hours.

Writing of complex and special story types: speeches, conventions, interviews, law courts, business, government, politics, criticism, features, society, sports, and others.

300—**Journalism Laboratory.** One hour. (May be repeated).

Practical analysis of each issue of **The Student Printz.** Only four hours may be applied toward fulfilling major requirements; only two hours toward fulfilling minor requirements.

301—**Copy Reading.** Four hours.

Introduction to copy reading, headline writing, and make-up. Intensive practice in the principles and techniques of copy reading.

302—**Advanced Editing.** Four hours.

Intensive practice in preparing all types of news copy for publication.

303—**Newspaper Design and Make-up.** Four hours.

Prerequisite: JOU 301.

A study of the principles and mechanics of make-up, including a survey of typography.

311—**Feature Writing I.** Four hours.

330—**Press Photography.** Four hours.

The relationship of news photography to journalism and advertising; use of simple cameras, film developing, and printing; elements of writing cutlines and captions.

332—**Advanced Press Photography.** Four hours.

Advanced developing and printing of photographs. Contemporary problems in photojournalism. Pictures for wire transmission. Discussion of latest techniques, including color.

341, 342—**Print Media Advertising I, II.** Four hours each.

355—**Editorial Writing.** Four hours.

400—**History of Journalism.** Four hours.

401—**Law of the Press.** Four hours.

402—**Advanced Reporting.** Four hours.

A study of interpretative reporting. Completing the account, explanations, predictions, providing perspective. Current news problems.

403—**Specialized Reporting.** Four hours.

Governmental affairs get major emphasis. Labor, science, business, agriculture, social problems, sports, society, and home economics are also covered.

421-G421—**Public Relations.** Four hours.

422-G422—**Publicity Methods.** Four hours.

423-G423—**Public Relations Practices.** Four hours.
Prerequisite: JOU 421, 422.

431-G431—**Business and Professional Publications.** Four hours.
An analysis of the scope and function of institutional publications which will include research, writing, layout, and production.

443-G443—**Supervision of High School Publications.** Four hours.
A course designed to prepare high school teachers to direct the production of the high school newspaper and yearbook.

455-G455—**Newspaper Organization and Management.** Four hours.

456-G456—**Public and Press Relations Management.** Four hours.

RADIO-TELEVISION-FILM

Students majoring in radio-television-film are required to complete forty (40) hours. Required courses include: RTF 121, 320, 321, 324, 424, 445. Other major requirements are PA 230, JOU 102, and COM 200.

Students minoring in radio-television-film are required to complete twenty-eight (28) hours, of which RTF 121 is required.

Radio-Television-Film majors may elect minor programs in any area approved by the University. Recommended minors include: public address, journalism, management, marketing, history, or political science.

RTF 121, or its equivalent, is a prerequisite for all advanced courses in radio-television-film.

RADIO-TELEVISION-FILM COURSES (RTF—220)

121—**Introduction to Radio-Television-Film.** Four hours.

201—**Basic Film Production.** Four hours.

Three hours of lecture, and two hours of laboratory.
A beginning overview of film making in which the student experiments—under supervision—with the film medium. In groups of not more than three, the students write, plan, photograph, edit, direct, act in, analyze, and criticize a short 8 mm film.

300—**Basic Cinematography.** Four hours.
Four hours lecture and one hour laboratory per week.
Theory and techniques of the effective use of the motion picture camera as both artistic and scientific recording instrument. Includes consideration of optic and light factors, composition and movement, film stocks, exposure, special effects, and camera mechanics.

320—**Radio Laboratory.** One hour (May be repeated for four hours total).

321—**Radio and Television Announcing.** Four hours.

Prerequisites: RTF 121, PA 230.

324—**Broadcast Journalism.** Four hours.
Prerequisite: JOU 102.

325—**Radio Production.** Four hours.

Three hours lecture and two hours laboratory per week.

Theory and techniques of sound recording and mixing of special events programming, including microphone choice and placement, analysis of acoustic conditions, characteristics and mechanics of remote control consoles, art of tape editing, and special effects.

326—**TV Production.** Four hours.

Prerequisites: RTF 121, 300.

370—**Film Editing.** Four hours.

Prerequisites: COM 205 or RTF 201 and consent of instructor.

A theoretical and practical analysis of the fundamental process in motion picture communication. Psychological and aesthetic theories of editing, rhythm, and pacing of the film, and film-punctuation, as well as the use of the splicer, viewer, synchronizer, and techniques of double- and single-system sound, are discussed and applied. Two hours of lecture and four hours of laboratory.

400—**Advanced Cinematography.** Four hours.

Prerequisites: RTF 300, RTF 370, and consent of instructor.

Two hours of lecture, and four hours of laboratory.

A more advanced approach to motion picture photography than Basic Cinematography. Emphasizes creation of documentary, educational, news, and industrial film-footage. Involves a study of aesthetic unity, creation of scenes capable of being edited, sequence-shooting, camera movement, and progression of photography and lighting through a unified communication.

420—**Theory and Practice of Sports Broadcasting.** Four hours.

Prerequisites: RTF 121, 320, 321.

Three hours lecture and two hours laboratory practice. Study of radio and television sportscasting, including regulations of the major sports, use of radio, television, and motion picture equipment involved in commentary, sports interviewing, and field experience.

422—**Radio and Television Advertising and Writing.** Four hours.

Prerequisite: RTF 121.

424-G424—**Radio and Television Law.** Four hours.

Prerequisite: Consent of instructor.

426-G426—**Radio Station Management.** Four hours.

Prerequisites: 12 hours of RTF courses above 121.

445-G445—**Audience Analysis.** Four hours.

Characteristics of audiences, measurement of attitudes and study of rating devices and methodologies; practical application.

450—**Advanced Television Production.** Four hours.

Prerequisite: RTF 326.

Student participation in producing a weekly television series.

460—**Problems in Broadcast Management.** Four hours.

Analysis of functional relationships in broadcasting with emphasis on union agreements, community service, and the financial structure of broadcasting stations.

492-G492—**Special Problems in Radio-Television-Film.** Four hours.

Prerequisite: Consent of instructor.

Research on specific problems.

Advertising

The Department of Communication offers a major in advertising through an interdisciplinary program administered in conjunction with the Department of Marketing in the School of Business Administration.

The advertising major is designed to prepare students to work in advertising agencies, business and industries that require advertising departments, or as specialists in the mass media.

Advertising majors in Liberal Arts may follow either a Bachelor of Arts or a Bachelor of Science curriculum dependent upon specialized interests. A curriculum plan should be developed with the major adviser early in the program.

Advertising majors do not have a separate minor. Majors must complete seventy-two (72) hours from the following recommended curriculum.

MKT 300—Principles of Marketing
MKT 332—Principles of Retailing
JOU 341—Print Media Advertising I
JOU 342—Print Media Advertising II
MKT 355—Principles of Advertising
MKT 365—Consumer Behavior
MKT 370—Marketing Problems
MKT 410—Marketing Research
RTF 422—Radio and Television Advertising and Writing
COM 480—Advertising Management and Sales
MKT 475—Promotion Development
RTF 325—Radio Production
RTF 326—Television Production

Elect three courses from JOU 301, JOU 330, JOU 455, RTF 121, RTF 300, RTF 426.

Elect two courses from COM 350, COM 447, COM 451.

Elective courses from the following Behavioral Science listings are also recommended:

PSY 201—General Psychology
PSY 202—Applied Psychology
PSY 350—Developmental Psychology
PSY 445—Social Psychology
SOC 103—Introduction to Sociology
SOC 233—Social Problems
SOC 301—Urban Sociology
SOC 430—Social Foundations of Personality
HIS 453—U. S. Intellectual and Social History Since 1865
PA 341—Persuasion

The recommended minor in advertising includes: JOU 341, 342, MKT 355, 370, COM 480, one course from MKT 300, 332, 365, and one from MKT 410, 475, RTF 422, 325, 326.

General Speech Education

The general speech education major is designed to prepare students academically and professionally to teach speech and supervise speech activities on the secondary level and to pursue graduate level study. The public address major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements. Speech education majors are required to participate actively in at least one season of intercollegiate debate and one major theatre production. The following program will fulfill the subject matter and professional requirements:

	Hours
PA 101, 111, 230, 310, 341, 361, 370	26
PA or COM electives above 300	4
COM 200	4
RTF 121	4
THE 111, dramatics elective	8
CIS minor requirements	36

Additional elective theatre courses are recommended. Consult the chairman of the Department of Theatre Arts.

Journalism Education

The journalism education major is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate level study. The journalism major

working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements.

Majors must complete forty (40) hours in journalism, including JOU 102, 103, 301, 302, 303, 330, 341, 355, 402, and 443. To meet the special requirements of teacher certification, the candidate should also meet the special requirements of a major in a related subject matter field, such as English or social science.

DEPARTMENT OF ENGLISH (ENG—224)

William D. Norwood, Jr., Chairman

H. Anderson, J. Anderson, Bahr, Breland, Brinegar, Brown, Cochran, Downey, Eubanks, Everett, Johnson, Kay, McCartney, McCraw, McRaven, C. Moorman, Orange, Phillips, Pierle, Porter, P. Prenshaw, Riley, C. Skates, Smith, Stout, Tharpe, L. Thrash, Tjarks, Weaver.

A student may obtain an undergraduate English major under a program leading to a Bachelor of Arts or a Bachelor of Science (teaching or non-teaching) degree. For assistance in determining the appropriate program he should consult his major adviser. For information on the Master's and the Doctor of Philosophy programs he should consult the **Graduate Bulletin.**

Each undergraduate must complete the University core courses and the core courses of his particular college as listed on preceding pages of this catalog.

An undergraduate major in English must take a total of forty-five (45) hours in the Department, of which at least twenty-four (24) must be at the junior or senior level. He should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior. He must be certain that he includes among his advanced courses at least one in each of the following categories: (1) English or World Literature before 1700 or Language; (2) English or World Literature after 1700; (3) American Literature. If he wishes to get teacher certification, he must include among his courses one advanced course in grammar and two in English literature, of which at least one must be in Shakespeare. If he wishes to qualify as a part-time librarian he must take LS 302, 303, 315, and 316.

An undergraduate student minoring in English must take a total of thirty-two (32) hours in the Department, of which at least twelve (12) hours must be at the junior or senior level.

The Center for Writers is a part of the Department of English. It is intended to provide within an academic environment the optimum conditions for students who write or want to write poetry, fiction, or nonfiction prose.

ENGLISH COURSES (ENG—224)

Introductory

Freshmen needing an intensive course in reading comprehension and writing proficiency will be placed in English 100 (Fundamentals). Other freshmen not placed in ENG 100 will proceed directly to ENG 111, 112, 113, which constitute the University core in English. All three courses involve writing, and they must be taken in sequence and prior to any other English courses. The courses are offered in both classroom and tutorial sets and in a variety of approaches.

100—**Fundamentals.** Four hours. (May not count toward a departmental major or minor.)

111—**Language.** Four hours.

Studies in the nature of language and practice in its use.

112—Literature. Four hours.

Studies in the nature and function of imaginative literature.

113—Letters. Four hours.

Studies in the relation of language and literature to other areas of human interest.

Intermediate

210—Drama. Four hours.
215—Fiction. Four hours.
219—Poetry. Four hours.
300—American Literature I. Four hours.
301—American Literature II. Four hours.
315—Afro-American Literature. Four hours.
332—Advanced Expository Prose. Four hours.
338—Introductory Creative Writing. Four hours.
350—British Literature I. Four hours.
360—British Literature II. Four hours.

Advanced

British Literature

423-G423—Shakespeare's Comedies and Tragicomedies. Four hours.

425-G425—Shakespeare's Histories and Tragedies. Four hours.

427-G427—The British Novel. Four hours.

429-G429—Sixteenth-Century British Literature. Four hours.

431-G431—Studies in British Literature. Four hours. May be repeated as topic varies for credit to a total of twelve hours.

435-G435—Nineteenth-Century British Literature: Romantic. Four hours.

436-G436—Nineteenth Century British Literature: Victorian. Four hours.

447-G447—Major Writers of Eighteenth Century. Four hours.

453-G453—Medieval British Literature. Four hours.

466-G466—Twentieth Century British Literature. Four hours.

486-G486—Seventeenth-Century Prose and Poetry. Four hours.

487-G487—Milton. Four hours.

488-G488—Chaucer. Four hours.

American Literature

414-G414—The American Literary Renaissance, 1820-1870. Four hours.

416-G416—The Rise of Realism in American Literature, 1870-1920. Four hours.

418-G418—The American Novel, 1920-1960. Four hours.

419-G419—Modern American Poetry. Four hours.

420-G420—American Drama. Four hours.

432-G432—Studies in American Literature. Four hours. May be repeated as topic varies for credit to a total of twelve hours.

485-G485—Literature of the South. Four hours.

Comparative and World Literature

430-G430—Studies in Comparative Literature. Four hours.

443-G443—Readings in World Literature I. Four hours.

444-G444—Readings in World Literature II. Four hours.

446-G446—Readings in World Literature III. Four hours.

473-G473—Analysis of Poetry. Four hours.

474-G474—The Modern European Novel. Four hours.

480-G480—**Modern European Poetry.** Four hours.

483-G483—**Modern Drama.** Four hours.

490-G490—**Proseminar in Poetics.** Four hours. May be repeated twice as topics vary.

Linguistics

406-G406—**History of the English Language.** Four hours.

408-G408—**Introduction to Linguistics.** Four hours.

433-G433—**Advanced Grammar.** Four hours.

434-G434—**English Syntax.** Four hours.
An examination of analytical methods, including generative transformations.

437-G437—**Studies in Linguistics.** Four hours. May be repeated as topic varies for credit to a total of twelve hours.

Creative and Professional Writing

438-G438—**Short Story Writing.** Four hours.

439-G439—**Poetry Writing.** Four hours.

440-G440—**Traditions and Forms.** Four hours.

DEPARTMENT OF FOREIGN LANGUAGES (FL)

Roger Johnson, Jr., Chairman

Anglin, Craddock, Fontecchio, Harmon, R. Moorman, Neumann, Scheel, Siverio, Stroud, Tomasziwskyj, Trail

Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in French, German, Spanish, or classics. No courses numbered below 201 are applicable toward the major or minor. The requirement for a major is at least thirty-six (36) hours of credit; the minor requires twenty-eight (28) hours. Students choosing to major or minor in classics must take both Greek and Latin for a total of the necessary hours of credit. Courses to be counted for a major or minor are drawn from the student's chosen language area; or, with concurrence of the student's major adviser, the courses may be drawn from the group listed as Foreign Languages (FL).

Students interested primarily in literature should include FL 401 in their study programs. Those emphasizing language arts and translation should take FL 342 and FL 420.

Any student taking a foreign language course may be required to attend laboratory sessions for up to one hour per week in addition to regular classroom meetings.

The Department administers placement tests for those new students who have already studied the language they intend to continue here.

FOREIGN LANGUAGE COURSES

ENGLISH AS A FOREIGN LANGUAGE (EFL)

110—**Phonetics.** Four hours.

Credit not applicable toward degree.

111—**Syntax.** Four hours.

Credit not applicable toward degree.

112—**Idiom.** Four hours.

Credit not applicable toward degree.

FOREIGN LANGUAGES (FL—228)

173—**Tutorial in a Foreign Language.** Four hours.

Normally for graduate students wishing to gain reading knowledge only of a foreign language. Different sections cover different languages. Credit for this course is not applicable toward any degree. Grades will be recorded as P (pass) or F (fail).

200—**The Nature and Evolution of Language.** Four hours.

A survey of the languages of the world and their interrelationship.

300—**Introduction to Exotic Languages.** Four hours.

Prerequisite: Elementary knowledge of a foreign language and consent of instructor.

May be taken for a total of twelve hours.

312—**Credit for Study Abroad.** Four to twelve hours.

Prerequisite: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit.

Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The Department will examine and grade the progress and achievement of all participants in this program before granting credit.

342—**Comparative Phonetics for Students of Foreign Languages.** Four hours.

Prerequisite: Consent of instructor.

401-G401—**Introduction to the Advance Study of Foreign Literature.** Four hours.

Prerequisite: Intermediate knowledge of a foreign language or consent of instructor.

412-G412—**Advanced Credit for Study Abroad.** Four to twelve hours.

Prerequisite: Advanced knowledge of the language to be studied; otherwise, same as FL 312. (See FL 312)

420-G420—**Translation.** Four hours

Prerequisite: Bilingualism in languages approved by the instructor.

May be taken for a total of twelve hours. A practicum in oral and written translation.

452-G452—**Advanced Methods of Teaching Foreign Languages.** Four hours.

Prerequisite: Intermediate knowledge of a foreign language and consent of instructor.

Theory and directed practice in teaching a foreign language.

492—**Advanced Readings.** Four hours.

Prerequisite: Consent of instructor.

May be taken for a total of twelve hours.

FRENCH (FRE—236)

111—**Elementary French.** Four hours.

Prerequisite: Consent of instructor.

May be taken for a total of twevle hours.

211—**Intermediate French.** Four hours.

Prerequisite: Elementary knowledge of French.

May be taken for a total of twelve hours.

301—**History of French Literature.** Four hours.

Prerequisite: Intermediate knowledge of French.
May be taken for a total of sixteen hours.
331—**Conversational French.** Four hours.
Prerequisite: Intermediate knowledge of French.
May be taken for a total of eight hours
343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: Intermediate knowledge of French.
411-G411—**Proseminar in Literary Genres.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of sixteen hours.

GERMAN (GER—240)

111—**Elementary German.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.
211—**Intermediate German.** Four hours.
Prerequisite: Elementary knowledge of German.
May be taken for a total of twelve hours.
231—**Scientific German.** Four hours.
Prerequisite: Elementary knowledge of German.
May be taken for a total of eight hours.
301—**History of German Literature.** Four hours.
Prerequisite: Intermediate knowledge of German.
May be taken for a total of sixteen hours.
331—**Conversational German.** Four hours.
Prerequisite: Intermediate knowledge of German.
May be taken for a total of eight hours.
343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: Intermediate knowledge of German.
411-G411—**Proseminar in Literary Genres.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of sixteen hours.

GREEK (GRE—244)

211—**Elementary Greek.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.
311—**Intermediate Greek.** Four hours.
Prerequisite: Elementary knowledge of Greek.
May be taken for a total of twelve hours.
315—**Readings in Greek Literature.** Four hours.
Prerequisite: Intermediate knowledge of Greek.
May be taken for a total of twelve hours.
350—**Culture and Literature in Translation.** Four hours.
Prerequisite: Consent of instructor.
May not be counted toward a major in classics.

ITALIAN (ITA—248)

111—**Elementary Italian.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.
211—**Intermediate Italian.** Four hours.
Prerequisite: Elementary knowledge of Italian.
May be taken for a total of twelve hours.

LATIN (LAT—252)

111—**Elementary Latin.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.
211—**Intermediate Latin.** Four hours.
Prerequisite: Elementary knowledge of Latin.
May be taken for a total of twelve hours.
315—**Readings in Latin Literature.** Four hours.
Prerequisite: Intermediate knowledge of Latin.
May be taken for a total of twelve hours.
350—**Culture and Literature in Translation.** Four hours.
Prerequisite: Consent of instructor.
May not be counted toward a major in classics.

PORTUGUESE (POR—256)

111—**Elementary Portuguese.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.

RUSSIAN (RUS—260)

111—**Elementary Russian.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.
211—**Intermediate Russian.** Four hours.
Prerequisite: Elementary knowledge of Russian.
May be taken for a total of twelve hours.
301—**History of Russian Literature.** Four hours.
Prerequisite: Intermediate knowledge of Russian.
May be taken for a total of sixteen hours.
331—**Conversational Russian.** Four hours.
Prerequisite: Intermediate knowledge of Russian.
May be taken for a total of eight hours.
343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: Intermediate knowledge of Russian.
411-G411—**Proseminar in Literary Genres.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of sixteen hours.

SPANISH (SPA—264)

111—**Elementary Spanish.** Four hours.
Prerequisite: Consent of instructor.
May be taken for a total of twelve hours.

211—**Intermediate Spanish.** Four hours.

Prerequisite: Elementary knowledge of Spanish.

May be taken for a total of twelve hours.

301—**History of Spanish Literature.** Four hours.

Prerequisite: Intermediate knowledge of Spanish.

May be taken for a total of sixteen hours.

302—**History of Latin America Literature.** Four hours.

Prerequisite: Intermediate knowledge of Spanish.

May be taken for a total of sixteen hours.

331—**Conversational Spanish.** Four hours.

Prerequisite: Intermediate knowledge of Spanish.

May be taken for a total of eight hours.

343—**Advanced Grammar and Composition.** Four hours.

Prerequisite: Intermediate knowledge of Spanish.

344—**Hispanoamérica: Customs and Culture.** Four hours.

Prerequisite: Intermediate knowledge of Spanish.

A civilization course designed to give majors in Latin American Studies an understanding of Spanish America. Conducted largely in Spanish. Offered in odd calendar years.

411-G411—**Proseminar in Literary Genres.** Four hours.

Prerequisite: Consent of instructor.

May be repeated for a total of sixteen hours.

DEPARTMENT OF GEOGRAPHY (GHY—268)

Arthell Kelley, Acting Chairman

Davidson, La Fevers, McCutchen, McKee

A student majoring in geography may select one of several alternative plans. He may work toward either the Bachelor of Arts, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—College Core

The student working toward either degree must include the appropriate core curriculum subjects for his degree. The student majoring in geography should elect Geography 103 among his core subjects. Non-geography majors may elect Geography 103, 203, 301, or 305 to meet core requirements.

B. Curriculum—Teaching Requirements.

The student working toward the B.S. teaching degree must include in his program the courses leading toward the Class A teaching certificate.

C. Curriculum—Department Requirements

1. General Requirements:

The student wishing to major in geography, regardless of his degree plan, must take forty-four (44) hours in the Department, of which twenty-eight (28) hours must be in geography courses numbered above 200. Required of all majors are Geography 103, 200, 203, 204, and 305. All majors should have twenty (20) hours in introductory courses, twelve (12) hours in regional courses, and twelve (12) hours in functional courses.

2. Students wishing to qualify for government service should have forty-five (45) hours in geography.

D. Curriculum—Minor and Electives

In addition to the core requirements, the certification requirements, and the departmental requirements, the student majoring in geography must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minor

The student minoring in geography must take twenty-eight (28) hours in the Department of which twenty (20) hours must be in geography courses numbered above 200. Recommended for the minor are GHY 103 or 305 and 370.

GEOGRAPHY COURSES (GHY—268)

103—**Principles of Global Geography.** Four hours.
An introductory course in world regional geography.

200—**Cartography.** Four hours.
An introductory course in methods of map-making.

203—**Physical Geography.** Four hours.

A study of selected elements of physical geography: earth-sun relations, climate, natural vegetation.

204—**Physical Geography.** Four hours.
A study of selected elements of physical geography: land forms, water resources, and soils.

231—**Geography of Mississippi.** Four hours.
A regional geography of Mississippi.

301—**Cultural Geography.** Four hours.
A study of the human occupance of the earth emphasizing population distribution, cultural regions, and processes of man's modification of the earth.

305—**Introductory Economic Geography.** Four hours.
A study of the leading commodities, minerals, and industries of the world in their regional settings.

370—**World Political Geography.** Four hours.
A study of geography and politics in a world divided.

376—**Conservation of Natural Resources.** Four hours.
A study of the problems of conservation of the natural resources of the United States.

410-G410—**Geography of the United States and Canada.** Four hours.
A regional study of Anglo-America.

412—**Aerial Photograph Interpretation.** Four hours.

418-G418—**Geography of South America.** Four hours.
A regional study of South America.

420-G420—**Geography of the Caribbean Countries.** Four hours.
A regional study of Mexico, Central America, and the West Indies.

431—**Geography of the South.** Four hours.

433-G433—**Geography of Southwest Asia.** Four hours.
A regional geography of the Middle East.

437-G437—**Geography of USSR.** Four hours.

A regional survey of the physical, economic, and cultural geography of the USSR.

438-G438—**Geography of Europe.** Four hours.
A regional study of Western, Southern, and Eastern Europe.

439-G439—**Geography of Monsoon Asia.** Four hours.
A regional study, with emphasis on India, China, Japan, and Indonesia.

440-G440—**Geography of Africa.** Four hours.

A regional study of Africa with emphasis on the Sub-Sahara regions.

441-G441—**Geography of Australia and Pacific Islands.** Four hours.
Regional geography of Australia and the Pacific Islands.

445-G445—**Industrial and Commercial Geography.** Four hours.

Includes a short survey of geographic principles governing secondary and tertiary production.

450-G450—**Physiography of North America.** Four hours.
Prerequisite: GLY 101 and 103 or consent of instructor.
A study of character of the physiographic provinces of North America.

460-G460—**Historical Geography.** Four hours.
A study of how geography has influenced exploration, settlement, political, and industrial development in America.

480-G480—**Climatology.** Four hours.
Analysis of climatic control and elements; climate conditions in each of the continents.

484-G484—**Urban Geography.** Four hours.
Nature, distribution, principal functions of urban settlements and supporting areas, with emphasis on the United States and local field study.

485-G485—**Field Geography.** Four hours.
A study of the techniques of reconnaissance and detailed field work, including classification of natural and cultural features and preparation of reports and maps based on field data. Instruction will cover the use of the compass and hand level, the plane table, and aerial photographs in field mapping.

486-G486—**Urban Field Methods, Problems and Techniques.** Four hours.

Field procedures in analysis of the spatial, morphological, and functional traits of the city and its urban fringe areas. Individual field problems in urban landuse and transportation.

490—**Problems in Geography.** Four hours.

Undergraduate majors only.

DEPARTMENT OF HISTORY (HIS—272)

John Ray Skates, Chairman

Anglin, Bowers, R. Brent, Ciccarelli, Davis, Fike, Gonzales, Guice, Harper, McCarty, McMillen, Scarborough, von Wahlde

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of Arts, the Master of Science, and the Doctor of Philosophy. For the Master's and doctorate degrees please consult the **Graduate Bulletin.**

Major Requirements

An undergraduate student majoring in history may elect either the Bachelor of Arts or the Bachelor of Science degree program. He may certify to teach in the field of social studies at the secondary level under either of the above degree plans by taking the necessary education and psychology courses. He should consult with his adviser to determine which degree plan to follow and what education and psychology courses are required.

A. Curriculum—Basic College Core

The student working toward any degree must include in his curriculum the required core subjects.

B. Curriculum—Professional Requirements

The history major working toward the Bachelor of Science teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses, either as core or as electives: Economics 200 (or 255 and 256), Geography 370, Political Science 101, History 367, and Sociology 103 or 201.

C. Curriculum—Departmental Requirements

The student majoring in history must take forty-four (44) hours, which, regardless of his degree plan, must include History 101, 102, and 111, 112.

Minor Requirements

The student minoring in history must take thirty-six (36) hours in history which must include History 101, 102, and 111, 112.

HISTORY COURSES (HIS—272)

Students should not enroll in advanced history courses without having taken the appropriate European or American survey courses: History 101 and 102, or History 111 and 112.

Three hundred level courses should usually precede four hundred level courses.

Economics 310, Religion 408 and 409, and Political Science 400, 402, and 404 may be elected as history if approved by the student's adviser. No more than eight (8) hours of these courses may be counted as history credit.

101—**World Civilization to 1648 A.D.** Four hours.

102—**World Civilization Since 1648 A.D.** Four hours.

111—**United States to 1877.** Four hours.

112—**United States Since 1877.** Four hours.

300—**The Ancient World.** Four hours.

305—**The Middle Ages.** Four hours.

307—**Renaissance.** Four hours.

309—**Reformation.** Four hours.

320—**Early English History.** Four hours.

322—**Modern English History.** Four hours.

325—**The Cold War Issues.** Four hours.

327—**The Age of Absolutism in Europe, 1648-1789.** Four hours.

330—**Colonial Latin America.** Four hours.

332—**Modern Latin America.** Four hours.

334—**History of the American Negro.** Four hours.

346—**Survey of the Far East.** Four hours.

367—**Mississippi History.** Four hours.

370—**U.S. Military History.** Four hours.

401-G401—**Russia to 1800.** Four hours.

402-G402—**Nineteenth Century Russia.** Four hours.

403-G403—**Russia Since 1917.** Four hours.

404-G404—**Russian Intellectual History.** Four hours.

411-G411—**English Constitutional History.** Four hours.

413-G413—**Western Intellectual History.** Four hours.

418-G418—**History of the Caribbean.** Four hours.

419-G419—**History of South America.** Four hours.

424-G424—**Medieval World I, Economic and Social History.** Four hours.

425-G425—**Medieval World II, A Cultural History.** Four hours.

430-G430—**Modern Germany.** Four hours.

432-G432—**French Revolution and Napoleon.** Four hours.

433-G433—**Europe, 1815-1870.** Four hours.

434-G434—**Europe, 1870-1918.** Four hours.

435-G435—**Europe, 1918-1939.** Four hours.

436-G436—**Europe Since 1939.** Four hours.

437-G437—**Modern France.** Four hours.

439-G439—**Tudor-Stuart Britain.** Four hours.

441-G441—**Nineteenth Century Britain.** Four hours.

442-G442—**Twentieth Century Britain.** Four hours

445-G445—**The British Commonwealth.** Four hours.

448-G448—**The Age of Jefferson.** Four hours.

449-G449— **The Age of Jackson.** Four hours.

451-G451—**United States Intellectual and Social History to 1865.** Four hours.

453-G453—**United States Intellectual and Social History Since 1865.** Four hours.

455-G455—**The Old South.** Four hours.

457-G457—**The New South.** Four hours.

459-G459—**History of Mexico.** Four hours.

469-G469—**United States Constitutional History to 1861.** Four hours.

470-G470—**United States Constitutional History Since 1861.** Four hours.

475-G475—**United States Foreign Relations to 1914.** Four hours.

477-G477—**United States Foreign Relations Since 1914.** Four hours.

481-G481—**Colonial America, 1607-1754.** Four hours.

482-G482—**Revolutionary Era, 1754-1789.** Four hours.

484-G484—**Nineteenth-Century American Political Leaders.** Four hours.

487-G487—**The American Frontier.** Four hours.

492-G492—**Special Problems, I, II, III, IV.** One hour each.

496-G496—**The Sectional Controversy and the Civil War, 1840-1865.** Four hours.

497-G497—**Reconstruction and the Emergence of Modern America, 1865-1898.** Four hours.

498-G498—**The Progressive Era, World War I, Prosperity and Depression, 1898-1933.** Four hours.

499-G499—**The New Deal, World War II, and Post-War America, 1933-Present.** Four hours.

DEPARTMENT OF MILITARY SCIENCE (MS—276)

James E. Echols, Jr., Chairman

Baucum, Biermann, Bottoms, Cook, Davidson, Howle, Ingleright, Kimenis, Lammers, McCool, Raymond, Thomas

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate a unit of the Senior Division Reserve Officers Training

Corps (ROTC) on April 3, 1950. The unit was organized June 14, 1950, under the authority of the Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The mission of the ROTC program is to obtain commissioned officers for the United States Army and to provide citizenship and leadership training for male students.

TRAINING COURSES AND ALLOWANCE

The ROTC program covers four academic years and is divided into two courses. The Basic Course consists of Military Science I and II (MS I & II) and is taught during the freshman and sophomore years. The Advanced Course, Military Science III and IV (MS III & IV), is taught during the junior and senior years. When a student is participating in four years of ROTC training, he is not required to have an academic minor.

The Basic Course

Qualified male freshmen can elect to complete Military Science I and II (Basic Course) as a part of the Basic College core curriculum.

Military Science I, first-year military science, consists of one hour of classroom instruction and two hours of leadership laboratory (drill) weekly. Freshman students may elect Military Science I in lieu of the required physical education as physical training is an integrated part of the weekly leadership laboratory. The classroom instruction is composed of three courses: MS 101, MS 102, and MS 103.

Military Science II, second-year military science, consists of two hours of classroom instruction and two hours of leadership laboratory (drill) weekly. The classroom instruction is composed of three courses: MS 201, MS 202, and MS 203.

The Advanced Course

The Advanced Course consists of three hours of classroom instruction and two hours of leadership laboratory per week during the junior and senior year and an advanced ROTC camp of six weeks duration conducted at an Army installation during the summer between the junior and senior year. In addition each advanced ROTC student is required to complete one four-quarter hour course in each of the junior and senior years. The courses will be in the following general areas of science: Science Comprehension, General Psychology, Effective Communications, Political Institutions, or Political Development. The Advanced Course is elective and a student must meet requirements listed in subsequent paragraphs to enroll in the course. Students who qualify for advanced ROTC are paid by the Federal Government at a rate fixed by the Secretary of Defense. The present rate is $50.00 per month during the junior and senior years, except for the six weeks period students are at summer camp, for which they are paid approximately $250.00, plus six cents per mile travel pay from their home or the University, whichever they choose, to the summer camp site and return.

BASIC COURSE

Male freshman students who are citizens of the United States, physically qualified, over 14 years of age and less than 24 years of age may elect to complete the Basic Course of Military Science.

Any male student considering enrollment in the Advanced Course who has completed MT or MST 1-2-3- and 4 of a Junior Division ROTC or Military High School Division ROTC may be excused from freshman and sophomore ROTC by producing proper evidence to the Professor of Military Science.

Male sophomore students who have completed MS1, NS1, or AS1 (Freshman Army, Navy, or Air Force ROTC) of any Senior Division ROTC unit or were excused from Freshman ROTC by completion of MT, MST, or MS 1 and 2 of a Junior Division ROTC or Military High School ROTC Division are required to complete the Basic Course of Military Science (Sophomore ROTC) as a prerequisite to enrollment in the Advanced Course.

ADVANCED COURSE

Any male student who is regularly enrolled as a junior in the University and will complete the Advanced Course and will meet other requirements for a commission prior to his 28th birthday and has completed any one of the following is eligible to apply for entrance into the Advanced Course:

1. The basic course of any Senior Division ROTC unit of any of the three services (Army, Navy, Air Force).

2. MT or MST 1-2-3 and 4 of a Junior Division ROTC or Military High School Division ROTC.

3. Four months or more of active service or active duty for training in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard.

4. Two years at any of the service academies (Army, Navy, Air Force, or Coast Guard).

5. Six weeks basic ROTC camp for junior college transfers.

Applicants must meet the following requirements before being accepted into the advanced program:

1. Pass a physical examination.

2. Pass a Department of the Army Qualification Examination (RQ exam).

3. Have a 2.25 quality point average under the 4.0 system for the first two years of college.

4. Be recommended by a Board of Officers (ROTC instructors) and approved by the Professor of Military Science.

The RQ Examination and physical examination are administered early in the Spring Quarter to students who will be eligible to apply for advanced ROTC the following September.

Representatives from one of the Army Senior Division ROTC units will visit the junior college campuses to interview candidates and arrange for examination and attendance at the Six Weeks Basic ROTC Camp which usually starts in mid-June each year. Students attending the six weeks Basic ROTC Summer Camp are paid approximately $160.00 for the period of summer camp plus six cents per mile travel pay from their home or school, whichever they choose, to the summer camp site and return.

Graduate students may be enrolled in the Advanced Course provided normal prerequisites are met and the student has at least six quarters remaining in his course of study.

Advanced Summer Camp

The six week summer camp is normally attended by students upon completion of the third year of Military Science. Students are paid six cents per mile travel pay from their home or the University, whichever they choose, to the summer camp and return. While at camp, each student will receive food, uniforms, medical attention, and pay at the rate prescribed for cadets at the United States Military Academy (approximately $250.00 for the entire period).

At camp the students meet young men from many of the best institutions in the United States, thus broadening their contacts and gaining opportunity to make friendships that may be of great value in later life. In addition to the many physical, moral, and mental benefits derived from the healthful camp life, there are sufficient recreational facilities provided to make the stay enjoyable.

Commission in the Army of the United States

Students successfully completing the Advanced Course and the summer camp are tendered commissions as reserve officers in the Army of the United States.

There are certain stipulations whereby a student who completes the third year Military Science may be designated a "Distinguished Military Student." A student so designated who maintains such standards until he graduates will be designated a "Distinguished Military Graduate" and will be eligible for consideration for appointment in the Regular Army.

Awards

Each year the outstanding ROTC cadets in each class are selected on the basis of leadership, scholarship, and military aptitude. These cadets so honored are awarded medals and their names are engraved on appropriate plaques permanently displayed in the Department of Military Science. These plaques and medals are donated by local civic and veterans organizations. Additional awards for academic and leadership achievements are presented by local business firms, individuals, campus military societies, active and reserve components of the U.S. Army, and the Department of Military Science.

Military Service Organizations

ROTC cadets have the opportunity to participate in several special organizations within the Corps of Cadets. These include the ROTC Band, Company F6 of the Pershing Rifles (Drill Team), the ROTC Rifle Team, Scabbard and Blade (Honorary Military Society), and the Ranger Company.

ROTC Flight Training

Eligibility requirements: At the time of enrollment in the Army Flight Training Program, students must either be enrolled in MS IV (fourth year of Senior Division ROTC), or have successfully completed MS IV but not have completed the academic requirements for graduation. A student must have a sufficiently high academic standing to be recommended by his dean and the Professor of Military Science. Flight Training applicants must meet Class I standards of medical fitness for flying.

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men in the four-year ROTC Program who are interested in the Army as a career. There are four types of scholarships: Four-year, Three-year, Two-Year, and One-year. Each scholarship provides free tuition, textbooks, and laboratory fees, in addition to paying $50.00 per month for the period that the scholarship is in effect.

Four-year scholarships are offered to select young men who have graduated from high school or received equivalent credit from an acceptable state or national agency. Applicants must be enrolled in or acceptable for enrollment in the University.

Three-year scholarships are offered to students who have completed their first year of Army ROTC.

Two-year scholarships are offered to students who have completed the Basic Course of Military Science and have been accepted for enrollment in the Advanced Course.

One-year scholarships are offered Advanced Course students who have completed their third year of Army ROTC.

Students applying for the One-year, Two-year, and Three-year scholarship will do so with the Professor of Military Science at the University. Students desiring to apply for the Four-year Scholarship must do so between September 1, 1971, and January 15, 1972. Information and application packets may be obtained by writing to:

Commanding General
Third United States Army
ATTN: AJAGR-A
Fort McPherson, Georgia 30330

Selection Procedures:

Recipients of the Three-year, Two-year, and One-year scholarships will be selected from Military Science I, II, and III students who have submitted applications to the Professor of Military Science. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for approval. The Department of the Army will select all Four-year Scholarship recipients.

MILITARY SCIENCE COURSES (MS—276)

FIRST YEAR MILITARY SCIENCE

101—**Fundamentals of Leadership and Management I.** One hour.

Introduction to basic individual weapons and preliminary marksmanship training.

102—**Fundamentals of Leadership and Management II.** One hour.

Introduction to the organization of the Army and ROTC.

103—**Fundamentals of Leadership and Management III.** One hour.

Introduction to the mission and responsibilities of the United States Army relative to the national security of the United States.

SECOND YEAR MILITARY SCIENCE

201—**Applied Leadership and Management I.** Two hours.

Principles of the art of warfare as they are exemplified in American military history.

203—**Applied Leadership and Management II.** Two hours.

An introduction to the principles, organization, and fundamentals of basic military teams; their tactics and operations.

203—**Applied Leadership and Management III.** Two hours.

An introduction to map reading, aerial photo interpretation, and use of the compass.

THIRD YEAR MILITARY SCIENCE

301—**Leadership and Management I** (1) and **Fundamentals and Dynamics of the Military Team I** (1). Three hours.

A course designed to teach the student leadership principles in military situations, and to familiarize the student with the role of the various branches in the overall mission of the Army. An introduction to the nature and causes of insurgency and the organization and techniques used in internal defense and development operations.

302—**Fundamentals and Dynamics of the Military Team I (2).** Three hours.

A study to develop an understanding of the principles and fundamentals of small unit tactics and communications and their application to an infantry rifle company.

303—**Leadership and Management I** (2). Three hours.

A study of the principles, methods, and techniques of military leadership and management.

FOURTH YEAR MILITARY SCIENCE

401—**Fundamentals and Dynamics of the Military Team II** (1). Three hours.

A study of military staff organization and duties, to include: the preparation and publication of military operational orders, the value and scope of military intelligence, and analysis of logistical operations, and a review of internal defense and development operations.

402—**Fundamentals and Dynamics of the Military Team II** (2) and **Leadership and Management II** (1). Three hours.

A study of the principles of war and the organization, armament, equipment, and operations of different types of Army units, to include: a review of the

fundamentals and principles of small unit tactics, an introduction to the Army readiness program, and an introduction to the role of the United States in world affairs.

403—**Leadership and Management II** (2). Three hours.

A study of the basic concepts and fundamentals of army administration, military justice, and an introduction to military service and its traditions.

DEPARTMENT OF POLITICAL SCIENCE (PS—280)

William H. Hatcher, Chairman

Caudill, Doumas, Mobley, Piliawsky, Smith, Tuchak, Virden, Wilber

(1) **Requirements for an Undergraduate Major.**

In addition to PS 101 the political science major must take at least one course from five of the six fields of political science. The remaining sixteen hours are electives in political science.

(2) **Requirements for an Undergraduate Minor.**

The Department recommends that the minor include courses from at least four of the six fields.

(3) The Six Fields of Political Science.

Political Theory. 400, 402, 404.
American Government and Politics. 301, 345, 355, 406, 407, 434, 435, 436, 461.
International Relations. 300, 453, 454, 458, 482, 483
Comparative Government. 450, 451, 452, 470, 472, 474, 480.
Public Administration. 460, 462, 463, 464, 481.
Public Law. 412, 414, 416, 485.

(4) Economics 400, Finance 415, and History 405, 411, 469, and 470 may be elected as political science if approved by the student's adviser.

POLITICAL SCIENCE COURSES (PS—280)

101—**American Government.** Four hours.

A survey of our national government, with some related study of Mississippi courts and the state election systems. Required of all majors.

300—**United States Foreign Policy.** Four hours.

A study of contemporary U.S. Foreign Policy with major emphasis on the period 1945 to the present. The study highlights the revolution in American Foreign Policy since World War II.

301—**State Government.** Four hours.

345—**Current Problems in Government.** Four hours.

A study of current problems before the national, state, and local governments at the time the course is taught. Different problems are studied in different years.

355—**Race and Politics in the United States.** Four hours.

The course will stress the role of Afro-Americans in the American political system. The course will examine the relationship of Blacks to the government, the political process, and other groups in the society. Insofar as possible, the course will be conducted in the format of a colloquium with discussions being based on readings assigned by the instructor.

380—**Latin American Fundamentals.** Four hours.

A broad orientation course on Middle and South America and the West Indies. It is designed to provide an understanding of hemisphere neighbors for students taking one course, or as a foundation for more advanced Latin American courses.

400-G400—**Political Theory to 1783.** Four hours.

Political thought from Plato through the Enlightenment, with emphasis on the contributions of individual philosophers.

402-G402—**American Political Theory.** Four hours.

A study of the principal political ideas that have influenced the development of the United States' political system.

404-G404—**Political Theory Since 1783.** Four hours.

Recent and contemporary European political thought with emphasis on liberalism, conservatism, socialism, communism, and fascism.

406-G406—**American Political Parties and Pressure Groups.** Four hours.

407-G407—**Mississippi Government.** Four hours.

412-G412—**United States Constitutional Law.** Four hours.

A survey, by the case method, of principles and practices of American constitutional law. Emphasis is placed upon judicial review, the federal system, national powers, and individual rights.

414-G414—**The Judicial Process.** Four hours.

A study of the judicial system and its relationship to other elements of the political system and to society at large. Judicial functions and procedures are considered with special attention given to the interaction between the courts and the legislative and executive branches. The focus of the course is on the national courts, but some attention is given to state courts.

416-G416—**Comparative Judicial Politics.** Four hours.

Prerequisite: U.S. Constitutional Law or the Judical Process or consent of instructor.

A comparative analysis of the political functions of courts of selected countries. Among the features of judicial system to be studied are judicial selection, judicial role, judicial review, judicial structure, and judicial effect.

434-G434—**County Government.** Four hours.

435-G435—**Municipal Government.** Four hours.

436-G436—**The Legislative Process.** Four hours.

A detailed study of Congress and the state legislature.

450-G450—**Governments and Politics of Western Europe.** Four hours.

A study of France, West Germany, and Italy.

451-G451—**Soviet Government and Politics.** Four hours.

A detailed study of the political, economic, and social structure of the Soviet Union, and the role of the Communist Party.

452-G452—**British Government and Politics.** Four hours.

453-G453—**Soviet Foreign Policy.** Four hours.

Emphasis is on the period after World War II.

454-G454—**Politics of the Power Blocs.** Four hours.

An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and the developing formation of lesser blocs, such as that led by Communist China and the Neutralist bloc, the Common Market bloc, and the Japanese sphere.

457-G457—**International Politics.** Four hours.

A survey of the international political process, explaining the principles, forces, actors, techniques, and the nature of the environment encountered in that process. This course also includes a brief analysis of methodology.

458-G458—**International Organization.** Four hours.

A study of the principal types of international organization, and of examples of the same, such as the United Nations and the Organization of American States.

460-G460—**Public Administration.** Four hours.

An introductory study including organization, personnel management, and fiscal management.

461-G461—**The Presidency.** Four hours.

A study of the executive function in the process of government with special emphasis on the increasing role of the President.

462-G462—**Public Personnel Administration.** Four hours.

Includes recruitment, promotion, discipline, control and removal in both the United States and the states.

463-G463—**Organization and Management.** Four hours.

Includes organization planning, program planning, fiscal planning, and administrative reporting.

464-G464—**Policy Formulation.** Four hours.

Includes the roles of persons, groups, and governmental and non-governmental institutions.

470-G470—**Middle Eastern Governments and Politics.** Four hours.

A study of the states of the contemporary Middle East: governmental structures and institutions, political organizations and behavior, and regional and international relations.

472-G472—**Far Eastern Governments and Politics.** Four hours.

A survey of the politics and the governmental systems of the area in general, and of such as India, China, Taiwan, Japan, Ceylon, and the Philippines in particular.

474-G474—**Tropical African Governments and Politics.** Four hours.

A survey of the political systems of the "emerging" states and their politics, with special emphasis on industrialization and socio-cultural background.

480-G480—**Latin American Governments and Politics.** Four hours.

A study of governmental and political processes in the Latin American member nations of the Organization of American States.

481-G481—**Public Administration in Latin America.** Four hours.

A study of public administration in Latin America: strengths, weaknesses, underlying factors, and effects on pursuit of goals.

482-G482—**Inter-American Politics.** Four hours.

A study of hemisphere relations, with emphasis on the United States and Latin America, bilaterally and multilaterally.

483-G483—**Latin American Political Integration and Development.** Four hours.

A study of the theory of and progress toward Latin American political integration and development through agreements, organizations, and assistance programs.

485-G485—**International Law.** Four hours.

A sampling of the field, based largely on cases.

492—**Special Problems I, II, III.** One hour each.

A problem study to be approved by the Department chairman. The student will prepare a scholarly paper under the supervision of a professor.

DEPARTMENT OF RELIGION (REL—288) AND PHILOSOPHY (PHI—284)

Forrest E. Wood, Jr., Acting Chairman

Atkinson, Hales, Mangum, Nau, Sullivan

The Department of Religion and Philosophy offers programs of study leading to the degrees of the Bachelor of Arts, the Bachelor of Science, and the Masters of Arts. For the Master's degree program, please consult the **Graduate Bulletin.**

A baccalaureate student may choose either a major or a minor in philosophy or a minor in religion and philosophy combined.

Students majoring or minoring in philosophy should begin with either Philosophy 101 or 210. For a major, a total of thirty-six (36) quarter hours is required, of which at least sixteen (16) hours should be in courses on the 400 level. A major program in philosophy will normally include Philosophy 101, 203, 205, and 210.

For a minor in philosophy, a total of twenty-eight (28) quarter hours is required, of which at least eight (8) quarter hours should be in courses on the 400 level.

Philosophy 101 is a prerequisite for all other courses in philosophy except Philosophy 210—Logic. Permission of the departmental chairman will be required for any exceptions.

PHILOSOPHY COURSES (PHI—284)

101—**Introduction to Philosophy.** Four hours.

A course intended to acquaint the student with the general nature of philosophical study. Covers values, methods, themes, the nature of reality, epistemology, ethics, and aesthetics.

203—**History of Ancient Philosophy.** Four hours.

A survey of the origin and development of classical Greek philosophical thought from the sixth century B.C. through its culmination in the systems of Plato, Aristotle, and Plotinus.

205—**History of Modern Philosophy.** Four hours.

A survey of the development of modern European philosophy from the sixteenth through the nineteenth centuries, with special emphasis on rationalistic, empiricistic, and idealistic modes of thought.

210—**Logic.** Four hours.

A study of the methods and problems of accurate and critical thinking. Induction, deduction, the syllogism, fallacies, the scientific method, and symbolic logic. Emphasis on practical application.

300—**Philosophical Systems.** Four hours.

This course offers more thorough study of the recent developments in philosophical systems, emphasizing particularly creationism, emergentism, organism, existentialism, and pragmatism. Emphasis on supplementary readings in these fields. Not open to freshmen and sophomores.

310—**Modern Problems of Philosophy.** Four hours.

An examination of some principal philosophical questions concerning identity and diversity, causality, freedom, necessity, God, and of various responses made to these questions by members of both the metaphysical and anti-metaphysical traditions.

315—**Semantics.** Four hours.

Prerequisite: 8 hours of philosophy including PHI 210.

Study in the foundations of language theory and the general theory of signs. Applications will be made to the languages of science, metaphysics, and the arts.

320—**Theories of Knowledge.** Four hours.

Prerequisite: PHI 101.

An examination of recent philosophical positions in epistemology, including positivism, pragmatism, realism, and ordinary language analysis.

330—**Continental Rationalism.** Four hours.

Prerequisite: Eight hours of philosophy or permission of instructor.

A study of the philosophies of Descartes, Spinoza, and Leibnitz. Based on selections from their writings.

340—**British Empirical Philosophy.** Four hours.

Prerequisite: Twelve hours of philosophy or permission of instructor.

The British empiricists examined both individually and as contributors to one of modern philosophy's historical developments.

350—**Foundations of Existentialism.** Four hours.

Prerequisite: Eight hours of philosophy or permission of instructor.

An introduction to the basic motifs of existentialist thought through the writings of Kierkegaard, Sartre, Nietzsche, and Berdyaev.

370—**Ethics.** Four hours.

A study of the evolution of moral ideas from primitive to modern times, and a critical analysis of ethical theories and of social institutions such as the state, property, and the family.

372—**Philosophy of Religion.** Four hours.

A detailed examination of the proofs for the existence of a diety and a study of the problems of philosophical theology, such as transcendence and immanence, free will, mysticism, and good and evil. (May be elected as religion.)

405-G405—**German Idealism.** Four hours.

A critical study of modern German idealism from its origins in Kant through its development in Fichte, Schelling, and Hegel to late nineteenth and early twentieth century idealists.

412-G412—**Philosophy of Politics.** Four hours.

A study of fundamental political concepts including law, government, sovereignty and state, and the relation of man's understanding of his own nature to the structuring of such concepts.

420-G420—**Introduction to Philosophy of Science.** Four hours.

Prerequisite: Eight hours of philosophy or advanced courses in mathematics or the empirical sciences.

A study of the conditions and status of knowledge, perception, measurement, hypothesis, causality, and concept formation based upon recent scientific and philosophical investigation.

430-G430—**Advanced Ethics.** Four hours.

Prerequisite: PHI 370.

A study of rival contemporary theories in general theory of value and ethics. The positions of naturalism, intuitionism, emotivism, and functionalism will be critically compared.

442-G442—**American Philosophy.** Four hours.

A consideration of representative modern American thinkers including Royce, Peirce, James, Mead, and Dewey.

446-G446—**Aesthetics.** Four hours.

An analysis of classic philosophical problems and theories of art and beauty from Plato to the present.

448-G448—**The Pre-Socratics.** Four hours.

A study of the major schools and problems of the pre-socratic philosophers from Thales to the atomists. Consideration will be given to the intrinsic importance of the contributions of these philosophers to perennial problems in metaphysics and epistemology as well as to the influence of these contributions on the philosophies of Plato and Aristotle.

454-G454—**Symbolic Logic.** Four hours.

Prerequisite: Eight hours of mathematics or PHI 210.

The basic theory and operations of the sentential calculus, quantification, and the logic of relations.

460-G460—**Analytic Philosophy.** Four hours.

A study of the historical background and development of the contemporary linguistic approach to philosophical problems based upon the writings of Wittgenstein, Wisdom, Ryle, and Austin.

462-G462—**Phenomenology.** Four hours.

Textual study of the philosophy of Edmund Husserl, the founder of phenomenology. Topics such as philosophy as rigorous science, intentionality, and the phenomenological reduction will be given special attention.

492—**Special Problems I, II, III, IV.** One hour each.

A problem study to be approved by the department chairman. The student will prepare a scholarly paper or do assigned reading under the supervision of a professor.

RELIGION

Students majoring in religion and philosophy combined are required to have a total of thirty-six (36) hours of which no less than twelve (12) quarter hours must be in either philosophy or religion. Students minoring in religion and philosophy combined are required to have a total of twenty-eight (28) quarter hours of which no less than eight (8) quarter hours must be in either religion or philosophy.

RELIGION COURSES (REL—288)

312—**History of the Old Testament.** Four hours.

A study of Jewish history and thought as presented in the Old Testament, Apocrypha, and non-canonical Jewish writings of the Intertestamental Era. Particular attention is given to the relationship of the Jewish nation to the major powers of the Fertile Crescent in the first and second millenia B.C.

322—**The Life of Jesus.** Four hours.

A study of the life of Jesus as presented in the first three gospels, with attention to the historical and religious background of Jesus' ministry.

325—**Introduction to Religion.** Four hours.

A study of religion as an aspect of human culture with emphasis on the development and meaning of religion in the life of mankind. Attention will be given to both Christian and non-Christian religions.

330—**Religion in Society.** Four hours.

A study of religion in societal development and its dynamic interaction with specific areas, e.g. politics, international affairs, morality, and economics. The course will include field research and the use of experimental instruction techniques.

402-G402—**Religion in the Rise of American Culture.** Four hours.

A study of the origin and development of the major religious groups and of the shifts in religious thought in the United States from colonial times to the present.

408-G408—**A History of the Christian Church I.** Four hours.

May be elected as history.

A study of the history of the church from the apostolic period through the Renaissance.

409-G409—**A History of the Christian Church II.** Four hours.

May be elected as history.

A study of the history of the church from the Reformation to the modern era.

425-G425—**Studies in the Religious Dimensions of Secular Literature** Four hours.

An examination of religious issues as expressed in modern plays and novels.

450-G450—**Religious Literature and Thought of India.** Four hours.

A study of Hinduism, Buddhism, Jainism, and Sikhism as a part of the culture of India.

451-G451—**Religious Literature and Thought of China and Japan.** Four hours.

A study of Confuscian, Taoist, Shinto, and Zen literature and thought.

452-G452—**Religious Literature and Thought of the Near East.** Four hours.

A study of Jewish, Zoroastrian, and Islamic literature and thought.

490-G490—**Contemporary Religious Problems.** Four hours.
May be repeated as problem varies to a total of twelve hours.

492—**Special Problems I, II, III, IV.** One hour each.
A problem study to be approved by the department chairman. The student will prepare a scholarly paper or do assigned reading under the supervision of a professor.

DEPARTMENT OF SOCIOLOGY (SOC—292)

Donald R. South, Chairman
Bourgeois, Burrus, Shoemaker, Thagard, Turner

The Department of Sociology offers a major and a minor. Provision is also made for the student who wishes to select one of several courses in sociology according to his interests or needs.

Core curricula applicable to the College of Liberal Arts and the degree selected should be followed with care. Sociology majors who wish to meet requirements for a teacher's license should take note of these requirements in the section of the catalog dealing with teacher training.

A minimum of thirty-six (36) quarter hours (beyond SOC 103) is required for a major in sociology. Twenty-eight (28) hours are required for a minor.

The sociology major will complete a minor of twenty-eight (28) hours in another field. It is possible for the minor to be taken in any department offering a major, but in most circumstances the minor is taken in one of the social sciences. The core requirements must be completed as early in the academic program as possible. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

Freshmen and sophomores planning to major in sociology are advised to include some sociology courses in their schedules. This will preclude the necessity of scheduling multiple courses during the junior and senior years. Such courses should not interfere with the completion of core requirements, however.

Transfer students interested in majoring in sociology are advised to check their programs with the sociology adviser at as early a date as possible.

Course Requirements and Information

A. Sociology 103 (or 201) is a prerequisite to all other course offerings.

B. All sociology majors (general and pre-professional) must take the following courses: SOC 103, 201 or 301, 470, 481 or 482, and 485.

C. Students pursuing the general sociology major must also take SOC 401 and complete the SOC 481-482 sequence. The remaining twelve (12) hours may be selected from any of the departmental offerings with the exception of SOC 230 and 330.

D. Students preparing for careers in social work may use sociology as a major or minor in a program of pre-professional undergraduate training. While the University does not offer a degree in social work, proper planning of the undergraduate program will help to provide an adequate academic background for professional training which must be obtained in a graduate school of social work. Undergraduate preparation should include courses representing all academic areas. Proficiency in English, mathematics, and social sciences is particularly needed.

SOCIOLOGY COURSES (SOC—292)

Note: All 400-level courses are open only to students of junior standing or higher.

103—**Introduction to Sociology.** Four hours.
A course designed to give the student a general overview of the content and methodology of sociology. Prerequisite to all courses except 201.

201—**Rural Sociology.** Four hours.

A study of the structure, institutions, and social processes of rural society; and of the effect of urbanization on rural society. Recommended for majors and minors.

208—**General Anthropology.** Four hours.

Prerequisite: SOC 103 or 201.

The beginning course in anthropology. An introduction to the three major fields of anthropological study: ethnology, archaeology, and physical anthropology. (Not open to students with credit in SOC 209.)

209—**Cultural Anthropology.** Four hours.

Prerequisite: SOC 208 or instructor's approval.

A study of human behavior in preliterate and early literate societies. Attention to how cultural traits are invented and diffused, and to the relation of cultural change to modern civilization.

230—**Introduction to Social Work.** Four hours.

An introduction to the purpose, methods, and philosophy of contemporary social work. Intended only for persons planning to enter social work as a vocation.

233—**Social Problems.** Four hours.

Prerequisite: SOC 103 or 201.

A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change.

301—**Urban Sociology.** Four hours.

Prerequisite: SOC 103 or 201.

An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology, and ecological processes. Consideration is given to the impact of urbanization and industrialization on social institutions, levels of living, and demography.

304—**The Family.** Four hours.

Prerequisite: SOC 103.

An analysis of the structure and function of the family as an institution Some emphasis on contemporary trends and factors shaping the contemporary family.

309—**Anthropology Survey I.** Four hours.

Prerequisite: SOC 208.

The basic course for the serious or pre-professional anthropology student. An historically oriented survey of the invention, growth, and diffusion of culture, including a description of methods of anthropological research.

310—**Anthropology Survey II.** Four hours.

Prerequisite: SOC 309.

A continuation and completion of the survey sequence begun in SOC 309. Includes historical perspective and a linguistic survey particularly of Indo-European groups.

330—**Methods of Social Work.** Four hours.

Prerequisites: SOC 103 and 230.

A study of the principles of social case work.

336—**Educational Sociology.** Four hours.

Prerequisite: SOC 103, or eight hours in education, or consent of the instructor.

A comprehensive study of the educational institution; an analysis of the school as a social institution; and the relationship of the educational institution to the community and general society.

340—**Advanced Rural Sociology.** Four hours.

Prerequisites: SOC 201 or 103 and advanced standing.

An advanced course in rural sociology. Certain areas of rural life and social change are selected for detailed study. The effects of urbanization, mechanization, and migration are examined. Recommended as complementary to SOC 301.

380—**Criminology.** Four hours.
Prerequisite: SOC 103.
A study of causes, treatment, and prevention of crime. The presentation deals with criminology, penology, and criminal legislation in ancient and modern times. Not open to students with credit in SOC 280.

Courses in the 400 series may be taken for graduate credit.

401-G401—**Population.** Four hours.
Prerequisite: SOC 103 and SOC 485 or equivalent.
This course introduces the student to the science of demography and examines differentials and trends in birth rates, migration, sex ratios, and mortality rates. Recommended for all majors and minors.

410-G410—**Social Control and Collective Behavior.** Four hours.
A study of principles and techinques by which conformity to the laws and other norms of social units is produced and maintained. Additional emphasis is placed on collective efforts to escape from or redefine social norms.

420-G420—**Industrial Sociology.** Four hours.
An advanced sociological study of industrial and business units as social systems in their institutional setting.

429-G429—**Juvenile Delinquency.** Four hours.
A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation and other rehabilitative programs. Recommended for persons with a serious interest in the study of delinquency. Not open to freshmen and sophomores.

430-G430—**Social Foundations of Personality.** Four hours.
A comprehensive treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality. An analysis of social institutions, social organizations, and social experience as they are related to personality development.

450-G450—**Social Institutions.** Four hours.
Prerequisites: SOC 103.

A detailed study of major American social institutions, their functions, interrelationships, and significant trends. Emphasis on theory of social structure.

470-G470—**Advanced General Sociology.** Four hours.

An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas. Not open to freshmen and sophomores.

481-G481—**History of Social Thought.** Four hours.

Prerequisites: SOC 103.

An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482-G482—**Sociological Theory.** Four hours.
A survey of the growth and development of sociological theory from Comte to the present. Advanced standing required.

485-G485—**Methods of Social Research.** Four hours.
Prerequisite: 12 hours in sociology.
A survey of elementary research techniques, illustrated by demonstrations and projects. How to locate, process, analyze, and interpret social research data. Open only to juniors and seniors; required for majors.

DEPARTMENT OF SPEECH AND HEARING SCIENCES (SHS—296)

Robert B. Mahaffey, Chairman

Beckham, Crowley, Davis, DuBard, Hammet, Rhodes, Winger

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing, and language. The Department provides the environment in which information in this area can be effectively advanced and knowledge can be disseminated.

Bachelor of Arts, Bachelor of Science, and Bachelor of Science teaching degrees are offered by the Department. For information concerning Master's or doctoral degrees, consult the **Graduate Bulletin.** Specialization is possible in four principal areas: (1) Speech and Hearing Science; (2) Audiology; (3) Language Disorders; (4) Speech Pathology.

Majors who take the Bachelor of Science teaching degree may minor in special education. The minor will require EPY 316, EPY 319, EPY 332, CIE 343, SPE 451, SPE 486, SPE 471 (a minimum of 12 hours must be taken in SPE 471).

The Speech and Hearing Center, the School for Children with Language Disorders, and the Acoustic Laboratory are operated by the Department on the campus to provide clinical and research laboratory experiences. Other training facilities are available at off-campus locations.

UNIVERSITY OF SOUTHERN MISSISSIPPI SPEECH AND HEARING CENTER

Southern Station, Box 92
Hattiesburg, Mississippi 39401
Phone:266-7221

The Speech and Hearing Center is operated by the Department of Speech and Hearing Sciences as a laboratory training unit and as a service center for students and other individuals who have speech, hearing, or language impairments. Diagnostic, therapeutic, and teaching services are provided for a wide variety of disorders, including delayed speech, defective articulation, stuttering, cleft palate, cerebral palsy, language disorders, laryngectomees, and hearing losses of any type. Included in the services offered to the hard of hearing are hearing-aid evaluations, lip reading, auditory training, hearing aid orientation, audiological assessment for compensation and medical-legal claims, and any type of pure-tone and speech audiometry.

The School for Children with Language Disorders, Dr. Etoile DuBard, Director, is a part of the over-all speech and hearing services and is specifically concerned with diagnostics and teaching of children with language disorders.

The services are available at nominal costs.

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for college students per quarter	5.00

SPEECH AND HEARING COURSES (SHS—296)

SPEECH AND HEARING SCIENCE

201—**Introduction to Phonetics.** Four hours.
International Phonetic Alphabet as applied to English.

210—**Fundamentals of Speech and Hearing Science.** Four hours.
An introduction to the basic knowledge pertaining to speech, hearing, and language processes.

336—**Experimental Phonetics.** Four hours.
A study of laboratory investigations of problems in phonetics as they are related to functional speech.

338—**Psychology of Speech.** Four hours.
Study of speech with particular reference to information theory, speech intelligibility, and other mathematical model systems.

402-G402—**Language Development.** Four hours.
The normal acquisition of language.

406-G406—**Acoustic Phonetics.** Four hours.
Principles of acoustic theories of speech production.

410-G410—**Anatomy, Physiology, and Mechanism of Hearing.** Four hours.
This is a basic and fundamental audiology course open to all students who are interested in the normal anatomy and physiology of the ear and associated areas.

443-G443—**Voice Science I.** Four hours.

444-G444—**Voice Science II.** Four hours.

A two-course sequence dealing with the various anatomical and neurological systems concerned with the production of speech.

492—**Problems in Speech and Hearing Science, Audiology, Language Disorders, or Speech Pathology.** One to six hours.

AUDIOLOGY

302—**Introduction to the Measurement of Hearing.** Four hours.
Prerequisite: SHS 210.
A specialized survey of the field of audiology to acquaint students with the causes, testing, and rehabilitation of persons with hearing loss.

405-G405—**Clinical Audiology I.** Four hours.
Prerequisite: SHS 302.

407-G407—**Clinical Audiology II.** Four hours.
A two-course sequence dealing with advanced audiometric techniques and clinical procedures.

408-G408—**Infant Audiometry.** Four hours.
Prerequisite: Consent of instructor.
A course designed to study the behavior, test procedures, and hearing responses of newborn and young infants.
Practicum required.

412-G412—**Aural Rehabilitation.** Four hours.
Prerequisite: SHS 302.
Current methods of using amplification for rehabilitating persons with hearing loss, and major theoretical and applied aspects of the speech reading process.

413-G413—**Pre-School Hard of Hearing and Deaf.** Four hours.
Prerequisite: SHS 302.
An overall view of the complex problems facing the hard-of-hearing and deaf child in the home, community, and educational environment.

417-G417—**Audiological Instrumentation.** Four hours.
Prerequisite: SHS 302.
To present advanced students various electronic systems employed in the study of audiology.

425-G425—**Pathologies of the Hearing Mechanism.** Four hours.
A basic and fundamental course in audiology open to students interested in the various pathologies and abnormal functions of the ear and associated areas.

440-G440—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies I.** Two hours.

Prerequisite: Permission of the instructor and the department chairman.

441-G441—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies II.** Two hours.

Prerequisite: Permission of the instructor and the department chairman.

442-G442—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies III.** Two hours.

Prerequisite: Permission of the instructor and the department chairman.

A three-course sequence dealing with the diagnosis and the medical and surgical treatment of speech and hearing pathologies.

LANGUAGE DISORDERS

430-G430—**Phonetics for the Acoustically Handicapped.** Four hours.

Techniques for teaching speech to the deaf and those children with unusual hearing problems, including systems of orthography and their application for teaching speech and reading to acoustically handicapped children.

431-G431—**Language Disorders I: Assessment of Children with Language Disorders.** Four hours.

Problems of assessing children with language disorders, differentiating the aphasic child from the deaf, mentally retarded, autistic, severely emotionally disturbed, or the child who does not develop speech and language because of muscular paralysis.

432-G432—**Language Disorders II: Habilitation of the Aphasic Child.** Four hours.

Prerequisites: SHS 430, 431, 433.

Basic problems of the aphasic child and procedures needed for him to acquire use and comprehension of language and speech.

433-G433—**Language for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: SHS 413 or the consent of the instructor.

Principles of language development for the pre-school and school age hard-of-hearing and deaf child and the child with multiple handicaps.

434-G434—**Speech for the Hard-of-Hearing and Deaf.** Two hours.

Prerequisite: SHS 430.

Problems in developing and maintaining intelligible speech in hard-of-hearing and deaf children through the multisensory approach. Attention is given to the speech problems of children with multiple handicaps.

435-G435—**Problems in Reading and Related Subjects for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: SHS 431, 434 and permission of the instructor.

Problems confronting the deaf in reading. Special attention is given to problems created by the vocabulary of high level abstraction and words of multiple meanings.

437-G437—**History, Education, and Guidance for the Deaf.** Two hours.

SPEECH PATHOLOGY

301-G301—**Introduction to Speech Pathology.** Four hours.

Prerequisite: SHS 201.

404-G404—**Stuttering and Related Problems.** Four hours.

Prerequisite: SHS 301.

Theories and therapeutic procedures evaluated with respect to the problem of stuttering behavior in children and adults.

414-G414—**Diagnostic Procedures in Speech Pathology.** Four hours.

Prerequisite: SHS 301.

Examination and diagnosis of people with speech disorders with emphasis on interviewing, testing, and report writing.

416-G416—**Articulation Disorders.** Four hours.
Prerequisite: SHS 301.
Study of the problems of defective articulation: definition, causative factors, therapy, and research.

420-G420—**Voice Disorders.** Four hours.
Prerequisite: SHS 301.
The disorders of voice and their cause and management.

424-G424—**Organic Speech Problems.** Four hours.
Prerequisite: SHS 301.
The pathologies and therapies for speech and allied language problems associated with the organic disorders of cerebral palsy and cleft palate.

428-G428—**Adult Aphasia and Related Problems.** Four hours.
Prerequisite: SHS 301.
The speech and related problems associated with neurological impairment

438-G438—**Pathology of Speech Mechanism.** Four hours.
Investigation of the various disorders involving the vocal mechanism which can result in and/or be associated with speech problems.

IMPORTANT ANNOUNCEMENT

The Department of Aerospace Studies will be in operation beginning Fall Quarter, 1971. This Department will offer Air Force Reserve Officers Training to men and women students. The course hours will be similar to the Army ROTC program indicated on pages 152-157 except that the program will be available to women students. An outline of the curriculum will be available upon request to the Department of Aerospace Studies.

COLLEGE OF SCIENCE

Robert T. van Aller, Dean

The College of Science is organized to provide the student training in all of the classical fields of science as well as several contemporary multi-disciplinary areas.

The College of Science is organized into nine departments: Biology, Chemistry, Computer Science, Geology, Mathematics, Microbiology, Physics, Polymer Science, and Science Education. All departments offer both majors and minors.

A student wishing to enter the College of Science must complete the core requirements in the Basic College and then make application for transfer to the College of Science. He will then be assigned to the departmental chairman of his major field for academic advisement. See departmental offerings for major and minor requirements.

The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in general science for teachers.

For the **Bachelor of Science Degree:**

The following courses are requirements of the College of Science:

English 111, 112, 113, and 332	16
History	8
Science (includes Fundamentals of Science) twenty-four hours; twelve of which must be in laboratory sciences	24
Mathematics (must be above MAT 100)	12
Sixteen hours from the following areas, with no more than four hours from any one area: political science, geography, sociology, psychology, philosophy, allied arts, economics	16

Foreign language may be required at the option of the department.

ENVIRONMENTAL SCIENCE CURRICULUM (ESC—355)

Charles R. Brent, Director

The College of Science offers an interdisciplinary degree in Environmental Science designed to train environment-conscious scientists with field experience in the measurement of environmental variables and with the capability of making sound ecological decisions in matters of pollution control. The curriculum emphasizes the chemical and biological aspects of the environment with enough physics and geology interspersed to provide majors with an understanding of the distribution of pollutants. Hundreds of persons with this modern training will be needed by industry, government, and educational institutions if man is to clean up his environment and keep it clean.

Requirements for a major in environmental science leading to the Bachelor of Science degree are the following:

	Hours
ESC 101, 102, 103	15
MAT 171	4
CSS 200, 201 or CSS 210, 311	8
CHE 301, 302, 303, 304, 305	23
BIO 400, 409, 466, 481, 484	20
MIC 339, 340, 441	12
SOC 301	4
GLY 350	4
PHY 487	4
ESC 401, 402, 411, 492-I, II, III	15
Total for Major	109

Basic College and College of Science requirements not included above	40
	149
Unrestricted electives	43
Total for Degree	192

A minor is not required for this interdisciplinary degree.

ENVIRONMENTAL SCIENCE COURSES (ESC—335)

101, 102, 103—**Introduction to Environmental Science.** Five hours each.
Four lecture period and one 3-hour laboratory period per week.
A study of basic physical, chemical, biological, and geological principles necessary for a beginning in understanding environmental processes. These courses serve as a prerequisite for higher level biology, chemistry, geology, and physics courses prescribed in the environmental science curriculum.

401-G401—**Pollution Detection.** Four hours.
Three lecture periods and one 3-hour laboratory or field trip per week.
A study of the composition of natural waters and clean air, water and air quality standards, and the physical, chemical, and biological sampling and testing for water pollutants or air pollutants. Emphasis is on field sampling and field tests.

402-G402—**Pollution Analysis.** Four hours.
Three hours lecture and one 3-hour laboratory per week.
A continuation of ESC 401 with emphasis on analyzing and evaluating pollution abatement systems.

411-G411—**Electronics for Scientists.** Four hours.
One hour lecture and two 4-hour laboratories per week.
A modern practical course in electronics necessary for an understanding of the functions and malfunctions of modern electronic instrumentation. The principles of automating laboratory and field measurements are stressed along with digital computer logic circuits.

497-G497 I, II, II—**Seminar in Environmental Science I, II, II.** One hour each.
One discussion period per week.
Modern topics in pollution of the environment will be discussed.

ALLIED HEALTH PROFESSIONS

William G. Brundage, Chairman

Committee Members: Bain, Brent, Cliburn, Hesson, Stocks, van Aller, Walker, Weaver

The University of Southern Mississippi provides pre-professional training for students who plan to enter the fields of medicine, dentistry, and pharmacy. A degree program in medical technology is offered by the University of Southern Mississippi. Curricula for these programs are outlined below.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

B. C. Smith, Chairman

Advisers: Fischer, Fish, Hoskin, St. Clair, Toom

The pre-medical and pre-dental curriculum is offered to meet the needs of the student wishing to enter an approved school of medicine or dentistry. The student should seek the counsel of his advisers in selecting courses that will meet the specific requirements of the medical or dental school which he intends to enter. This is especially true of science, social science, and language requirements.

The keen competition for admission to medical and dental schools makes

it imperative that the student plan his curriculum carefully and maintain a superior scholastic standing. At the conclusion of the sophomore year the student should consult with his adviser to choose an undergraduate major either in biology or chemistry. A three-year pre-medical and pre-dental program is outlined below, but if the student wishes to receive a Bachelor's degree before transfering to professional school, a four-year curriculum may be worked out with the advisers. A student entering medical or dental school after the junior year may be awarded a Bachelor's degree by the University of Southern Mississippi upon completion of the first year of medical or dental school if the core curriculum requirements outlined elsewhere in this catalog are met, and provided that the fifty-two (52) hours of credit he receives for his first year of medical school complete the 192 hours requirement for a degree.

Freshman Year

	Hours
Biology 101, 102, 103	12
Chemistry 101, 102, 103	15
English 111, 112, 113	12
Mathematics 101, 103, 171	12
Physical Education or Military Science	3

Sophomore Year

	Hours
Biology 301, 302, 401	12
Chemistry 301, 302, 303	15
English 332	4
Mathematics 276, 277	8
History	8
Social Sciences	4

Junior Year

	Hours
Biology 314	4
Chemistry 304, 305	8
Physics 101, 102, 103, or Physics-Calculus 201, 202, 203	15
Social Sciences	4
Electives	20

Senior Year

	Hours
Social Sciences	4
Advanced Science Courses and Electives	35

RECOMMENDED PRE-PHARMACY PROGRAM

John R. Thompson, Chairman

Advisers: Lewis, Pinson, Wertz

The requirement for admission to most schools of pharmacy is two years of pre-pharmacy training. The student should obtain a copy of the catalog of the school of pharmacy which he plans to attend and with his academic adviser adjust his course of study to meet his individual needs.

First Year

	Hours
Chemistry 101, 102, 103	15
English 111, 112, 113	12
Mathematics 101, 103	8
Biology 101, 102, 103	12
Physical Education or Military Science	3

Second Year

	Hours
Chemistry 301, 302, 303	15
Mathematics 171	4
Physics 101, 102, 103	15
Economics 255, 256	8
Botany 104	4
Electives	4

MEDICAL TECHNOLOGY CURRICULUM

William G. Brundage, Director

Advisers: Brent, Norris, Yarbrough

The first three years of the medical technology program are conducted at the University of Southern Mississippi. Upon completion of the junior year, the student will spend the senior year at a Board of Schools, American Medical Association approved School of Medical Technology which is officially affiliated with the University of Southern Mississippi. As an alternative the student in medical technology may pursue a four-year program leading to a Bachelor of Science degree in either chemistry or microbiology. A college graduate who has majored in chemistry or microbiology can qualify for a Registry Certificate in his respective field following an acceptable laboratory experience in an approved laboratory and an examination.

Freshman Year

	Hours
English 111, 112, 113	12
Chemistry 101, 102, 103	15
Biology 101, 102, 103	12
Mathematics 101, 103, 171	12
Physical Education or Military Science	3

Sophomore Year

	Hours
Microbiology 339, 340, 382, 442	16
Chemistry 251, 252, 253	12
English 332	4
History	8
Social Sciences	4
Philosophy or Allied Arts	4

Junior Year

	Hours
Microbiology 405, 447, 471	12
Chemistry 304, 305	8
Biology 468, 469	8
Environmental Science 411	4
Social Science	8
Electives	8

Senior Year

	Hours
Hospital technical training	52

RECOMMENDED PROGRAM FOR MEDICAL RECORDS LIBRARIANS

J. Fred Walker, Chairman

Advisers: Fish, Hampton, Yarbrough

The following three-year program is planned to meet the needs of those interested in managing records in hospital libraries. The student who com-

pletes the three-year program and who completes an additional year at a hospital that has a medical records library program may be eligible for the Bachelor of Science degree upon transfer of fifty-two hours (52) credit allowed for the year's training.

Biology 101, 102 and 103 12
Chemistry 121, 122 and 123 12
English 111, 112, 113, 306, and 332 20
History 101 and 102 8
Philosophy 101 4
Social Sciences 12

(Selected from the following areas with no more than 4 hours from any one area: geography, economics, psychology, sociology, political science)

Mathematics 101, 103, 171 12
Foreign Language 12
Computer Science 210 4
Finance 290 (Business Data Processing) or
Management 360 4
Biology 228, 229, 424 12
Suggested Electives
Microbiology 450 and 451 8
Other Electives 24
Plus one year of professional training in a recognized medical college with a Medical Record Librarians Training Division.

DEPARTMENT OF BIOLOGY (BIO—305)

George F. Pessoney, Chairman

Cliburn, Dawson,* Dore, Fish, Fischer, Grantham, Gunter,* A. Lewis, Norris, Overstreet,* Rivas,* K. Rogers, B. Smith, J. Thompson, Walker

*Gulf Coast Research Laboratory

The Department of Biology prepares students to become professional zoologists or botanists, biology teachers, or fishery, wildlife, or marine biologists for state or federal agencies. The Department of Biology also offers pre-professional training in medicine, dentistry, pharmacy, and veterinary science.

Requirements for Major

A student majoring in the Department of Biology may elect one of several plans of study leading to either the Bachelor of Arts or the Bachelor of Science degree. Information concerning the Master of Arts and Master of Science degrees and the Doctor of Philosophy degree is in the **Graduate Bulletin.** A student's choice of a degree program should be determined in consultation with his adviser.

A. **General Core Curriculum Requirements**

A student majoring in the Department of Biology must satisfy the core requirements of the Basic College and of the College of Science.

B. **Departmental Curriculum Requirements and Recommendations**

1. Required courses

a. BIO 101, 102, 103, 301, 302, 314, and 401.

b. Eight (8) additional hours of botany from courses numbered 300 and above.

c. Eight (8) additional hours of zoology from courses numbered 300 and above.

d. CHE 101, 102, 103, 301, 302, and 303.

As many as twelve (12) hours earned in the Department of Microbiology may be credited towards a major in the Department of Biology.

The student majoring in the Department of Biology is encouraged to take as many additional courses as possible in chemistry, geology, mathematics, microbiology, and physics.

2. Recommended courses in special areas of emphasis

a. Botany—Departmental curriculum requirements, plus courses elected in botany with approval of adviser.

b. Zoology—Departmental curriculum requirements, plus courses elected in zoology with approval of adviser.

The following curricula are recommended by state and federal agencies as preparation for research positions.

c. Marine Biology—Departmental curriculum requirements, plus elected courses including BIO 400, 418, 419, 466, 479, 481, and 482; at least one summer at the Gulf Research Laboratory strongly recommended. CHE 304, 305, and PHY 101, 102, 103 recommended.

d. Wildlife Biology—Departmental curriculum requirements, plus elected courses in such subjects at BIO 360, 421, 422, 452, 468, and 469; and at least twelve (12) hours from BIO 435, 437, 481, 482, or 483.

e. Fisheries Biology—Departmental curriculum requirements, plus elected courses including twenty-four (24) hours of subjects such as BIO 360, 418, 419, 421, 422, 424, 452, 468, and 469; and eight (8) hours of aquatic biology such as BIO 409, 466, 479, and 484.

3. Recommended courses in areas of pre-professional training in medicine, dentistry, pharmacy, and veterinary science are outlined in this **Bulletin** in the beginning section of the College of Science.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all majors in biology take at least a six-weeks' program in marine biology as offered at the Laboratory. The following courses are to be had only at the Gulf Coast Research Laboratory: Bio 429-G429, 431-G431, 454-G454.

BIOLOGY COURSES (BIO—305)

Departmental Requirements

101—**Biology I.** Four hours.

Two hours lecture and four hours laboratory per week.

Fundamental biological principles at the molecular, cellular, and organ levels.

102—**Biology II.** Four hours.

Two hours lecture and four hours laboratory per week.
Prerequisite: BIO 101.
Animal taxonomy, growth and development.

103—**Biology III.** Four hours.

Two hours lecture and four hours laboratory per week.
Prerequisite: BIO 101.
Plant taxonomy, growth and development.

301—**Comparative Anatomy I.** Four hours.

Two lecture periods and two 2-hour laboratory periods per week.

Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

302—**Comparative Anatomy II.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Prerequisite: BIO 301.
A continuation of BIO 301; laboratory work devoted to study of the turtle and cat.

314—**Cellular Physiology I.** Four hours.
Three hours lecture and one 2-hour laboratory per week.
Prerequisites: 8 hours of biology, 12 hours of chemistry.
Cellular anatomy, chemistry, and physics.

401-G401—**Genetics.** Four hours.
The fundamental principles of heredity.

Other Biology Courses (BIO—305)

104—**General Botany.** Four hours.
Two lectures and two 2-hour laboratory periods per week.
Taxonomic and morphological study, emphasizing cultivation, collection, taxonomy, and physiology of representative members of the plant kingdom.

228—**Human Anatomy.** Four hours.
Two lectures and two 2-hour laboratory periods per week.
Introductory course in human anatomy. Carries no credit for biology majors.

229—**Physiology.** Four hours.
Three lectures and one 2-hour laboratory period per week.
Prerequisite: BIO 228 or 302. General chemistry recommended.
Principles of human physiology.

305—**Microtechnique.** Four hours.
One hour lecture and six hours laboratory per week.
Prerequisite: Consent of instructor.
Techniques for sectioning, mounting, and staining tissue and for making whole mounts.

345—**Dendrology.** Four hours.
Two hours lecture and four hours laboratory per week.
The identification, taxonomic and ecological characteristics, and the distribution of trees.

360—**Herpetology.** Four hours.
Two hours lecture and four hours laboratory per week.
Collection, preservation, identification, and distribution of amphibians and reptiles. Field trips when possible.

400-G400—**Protozoology.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Introduction to parasitic and free-living protozoa.

409-G409—**Introductory Phycology.** Four hours.
Prerequisites: BIO 104 or General Bacteriology.
Taxonomy, physiology, and biochemistry of the algae.

410-G410—**Introductory Morphology of Plants.** Four hours.
Three hours lecture and two hours laboratory per week.
Morphology of extant and fossil vascular plants.

411-G411—**Plant Ecology.** Four hours.
Prerequisite: Advanced standing in botany.
Relationship of plants to their environment.

412-G412—**Plant Physiology I.** Four hours.
Two theory and two laboratory periods per week.
Prerequisites: General chemistry and organic chemistry recommended.
The basic physiological processes of green plants.

413-G413—**Plant Physiology II.** Four hours.
Prerequisites: BIO 104, 412. General chemistry and organic chemistry recommended.
The basic physiological processes of green plants. Greenhouse laboratory work.

415-G415—**Cellular Physiology II.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: BIO 314.
Advanced cellular physiology.

417-G417—**Taxonomy of Higher Plants.** Four hours.
The classification of seed plants.

418-G418—**Field Zoology: Macroscopic Invertebrates.** Four hours.
Two hours lecture and four hours laboratory per week.
Collection, preservation, identification, and general biology of local, macroscopic, marine, fresh-water, and terrestrial invertebrates. Field work as needed.

419-G419—**Field Zoology: Microscopic Invertebrates.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: BIO 418.
Collection, preservation, identification, and general biology of local, microscopic, marine, fresh-water, and terrestrial invertebrates.

421-G421—**Embryology I.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Embryology of vertebrates, emphasizing the frog. Maturation, fertilization, cleavage, origin and development of germ layers, histogenesis, and organogenesis.

422-G422—**Embryology II.** Four hours.
Prerequisite: BIO 421.
A continuation of Embryology 421. The embryological development of vertebrates, especially the chicken and the pig. Histogenesis and organogenesis of the chicken, the pig, and man.

423-G423—**Plant Anatomy.** Four hours.
A study of the anatomy of vascular plants.

424-G424—**Histology.** Four hours.
Three lecture periods and one 2-hour laboratory period per week.
Microscopic anatomy of mammalian organ systems.

425-G425—**Introductory Mycology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: Consent of instructor.
Taxonomy, physiology, and biochemistry of fungi.

427-G427—**Biogeography.** Two hours.
Two lectures per week.
A descriptive and analytical study of the distribution of plants and animals.

430-G430—**Mammalian Physiology I.** Four hours.
Three hours lecture and one 2-hour laboratory per week.
Prerequisites: BIO 228 or 302.
The major mammalian physiological systems, emphasizing their interrelationships and their regulation of the internal environment.

432-G432—**Mammalian Physiology II.** Four hours.
Prerequisite: BIO 430.
Continuation of Mammalian Physiology I.

433-G433—**Medical Entomology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: 12 quarter hours of zoology.
Arthropod vectors and agents of disease.

435-G435—**Mammalogy.** Four hours.
Two hours lecture and four hours laboratory and field work per week.
Prerequisites: BIO 301, 302 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

437-G437—**Ornithology.** Four hours.
Two hours lecture and four hours laboratory and field work per week.
Prerequisites: BIO 301, 302 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

438-G438—**Botany I.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Anatomy, physiology, life cycles, and economic significance of the Thallophytes.

439-G439—**Botany II.** Four hours.
Prerequisite: BIO 438
Anatomy, physiology, life cycles, and economic significance of the Bryophytes and Pteridophytes.

448-G448—**Comparative Animal Physiology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: 16 hours of biology and 12 hours of chemistry.
A comparison of vertebrate physiological systems, emphasizing the influence of the environment.

449-G449—**Comparative Animal Physiology.** Four hours.
Prerequisites: Same as for BIO 448-G448.
A continuation of BIO 448.

450-G450—**Principles of Nomenclature.** Two hours.
Prerequisite: Consent of instructor.

452-G452—**Entomology.** Four hours.
Two hours lecture and four hours laboratory per week.
Structural adaptations, classification, life histories and habits, and the economic importance of insects.

455-G455—**Experimental Embryology.** Four hours.
Prerequisites: BIO 421 and 422.
Factors which activate or regulate developmental processes.

466-G466—**Ichthyology.** Four hours.
Two hours lecture and four hours laboratory per week.
Collection, preservation, and identification of local species of fishes and fish-like vertebrates, with primary emphasis on fresh water forms. Field work when possible.

468-G468—**Parasitology I.** Four hours.
Two hours lecture and four hours laboratory per week.
Systematics, life histories, and host relationships of animal parasites, emphasizing those affecting man.

469-G469—**Parasitology II.** Four hours.
Prerequisite: BIO 468 or G468 or consent of instructor.
A continuation of BIO 468.

479-G479—**Introduction to Biological Oceanography.** Four hours.
Oceanography, including ocean basin topography, distribution of bottom sediments, and physical and chemical characteristics of sea water.

480-G480—**Aquatic and Marsh Plants.** Four hours.
Two hours lecture and four hours laboratory and field work per week.
Prerequisite: Advanced standing in biology or consent of instructor.
Collection, identification, and ecology of aquatic and marsh plants occurring in fresh and brackish water. Field and laboratory investigations of common locally occurring aquatic vegetation.

481-G481—**Ecology I.** Four hours.
Two hours lecture and four hours laboratory or field work per week.
Prerequisites: 24 hours of biology including a course in botany.
Interrelations between organisms and their environment. Biogeochemical cycles and nutrient distribution. Limiting factors, productivity, and energy transfer in food chains. Ecological succession.

482-G482—**Ecology II.** Four hours.
Two hours lecture and four hours laboratory or field work per week.
Prerequisite: BIO 481.
Ecological effects of temperatures, light, rainfall, salinity. Relationship of respiration and osmoregulation to environmental factors. Population growth.

483-G483—**Ecology III.** Four hours.
One hour lecture and a minimum of six hours laboratory per week.
Prerequisites: BIO 482 and senior standing, except by special permission.
Directed field and laboratory problems in beginning ecological research.

484-G484—**Limnology.** Four hours.
Lectures, laboratories, and field trips.
Prerequisites: BIO 481 and 482 strongly recommended, junior standing, and consent of instructor.
The physical, chemical, and biological conditions in lakes, ponds, and streams.

485-G485—**History of Biology.** Two hours.

492—**Biological Problems I, II, III.** Two hours each.
Given only by special arrangement.
A course in special techniques, designed for majors with a need for certain basic biological techniques as tools for future research.

THE FOLLOWING COURSES ARE TAUGHT AT THE GULF COAST RESEARCH LABORATORY IN OCEAN SPRINGS BY THE GULF COAST RESEARCH LABORATORY STAFF

429-G429—**Marine Botany.** Six hours.
Prerequisite: 15 hours of biology.
A survey, based upon local examples, of the principal groups of marine algae, treating their structure, reproduction, distribution, and general biology; also a survey of the common maritime flowering plants, their identification and ecology.

431-G431—**Marine Vertebrate Zoology.** Nine hours.
Prerequisites: 24 hours of biology, including comparative anatomy.
A formal lecture and laboratory survey of all marine chordates, including the lower subphyla, the fishes, reptiles, mammals, and shore birds.

454-G454—**Marine Invertebrate Zoology.** Nine hours.
Prerequisite: 24 hours of zoology.
A study of the structure, natural habitats, classification, and economic importance of invertebrate species native to the waters of the Mississippi Sound and around the outlying islands.

488—**Marine Zoology for Teachers.** Six hours.
Prerequisites: 12 quarter hours of biology. **No credit toward a major or minor in biology.**
Designed to assist teachers of biological science in elementary and secondary schools in becoming acquainted with marine life in the Gulf of Mexico. Trips to shrimping grounds, oyster reefs, and sea food processing plants are made.

DEPARTMENT OF CHEMISTRY (CHE—320)

John H. Bedenbaugh, Chairman

A. Bedenbaugh, C. Brent, B. Campbell, Hampton, J. Howell, Pinson, Toom, van Aller, Wertz, H. Williams

A student planning to major in chemistry may elect either the Bachelor of

Science or the Bachelor of Arts degree. For information concerning the Master's degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in chemistry will include not less than forty-eight (48) quarter hours of chemistry.

The Department of Chemistry is accredited by the Division of Chemical Education of the American Chemical Society. A chemistry major may graduate as a chemist certified by the American Chemical Society. In order to obtain this certified degree the following curriculum is prescribed.

ACS CERTIFIED DEGREE

Freshman Year

English 111, 112, 113
Chemistry 101, 102, 103
Mathematics 101, 103, 171
History 101, 102
Political Science 101
Physical Education or Military Science

Sophomore Year

English 332
Chemistry 301, 302, 303
Mathematics 276, 277, 378
Physics 201, 202, 203
Social Science 4 hours

Junior Year

Chemistry 304, 305, 405
Chemistry 401, 402, 403
Mathematics 379, 405
German 101, 102, 103

Senior Year

Chemistry 431
Chemistry Electives—12 hours to be chosen from 310, 406, 425, 426, 427, 432, 461, and 496.
German 221, 222

Electives—24 hours
Recommended electives—BIO 401, CSS 210, CSS 311, GLY 101, PHY 371

Philosophy 210
Allied Arts 100
Public Address 101

CHEMISTRY MAJOR (Non-ACS Certified)

A major in chemistry will include not less than forty-eight (48) quarter hours of chemistry and must consist of:

Chemistry 101, 102, 103
Chemistry 301, 302, 303
Chemistry 304, 305
Chemistry 401, 402, 403

Recommended companion courses are:

Mathematics 101, 103, 171
Mathematics 276, 277, 378, 379 (calculus)
Physics 201, 202, 203

SECONDARY EDUCATION

A major in chemistry for secondary education will include not less than thirty-six (36) hours and must consist of:

Chemistry 101, 102, 103
Chemistry 301, 302, 303
Chemistry 304, 305

CHEMISTRY COURSES (CHE—320)

In the sequence of courses the immediate lower number is prerequisite for the following course. Example: Chemistry 101 is prerequisite to 102 and 102 to 103.

101, 102, 103—**General Chemistry.** Five hours each.
Four theory periods and one 3-hour laboratory period per week.
Prerequisite: Algebra, or MAT 101 and 102 taken concurrently with CHE 101 and 102.
A course in general chemistry stressing fundamental principles and a comparative study of the elements. Emphasis upon fundamental laws, theories, and application.

121, 122, 123—**General Chemistry.** Four hours each.
Three theory periods and one double laboratory period per week.
A course in general chemistry stressing a general understanding of chemistry and the chemical industry. This sequence is not to be taken by chemistry majors and will not be accepted in that program, except when this series is transferred from another college or university and is approved by the chairman of the Department.

251—**Organic Chemistry.** Four hours.
Three theory periods and one double laboratory period per week.
Prerequisite: CHE 103 or 123.

A short course in organic chemistry designed for students majoring in home economics. Aliphatic and aromatic hydrocarbons; the applications of organic chemistry to the home.

252—**Food Chemistry.** Four hours.
Three theory periods and one double laboratory period per week.
Prerequisite: CHE 251.
A brief course in the composition and properties of foods; proteins, carbohydrates, fats, and salts.

253—**Physiological Chemistry.** Four hours.
Three theory and one double laboratory period per week.
Prerequisite: CHE 252.
A course for students majoring in home economics and nursing with emphasis on a study of the chemistry of the human body.

301, 302, 303—**Organic Chemistry.** Five hours each.

301 consists of four theory periods and one 3-hour laboratory period per week.

302 and 303 consist of three theory and two 3-hour laboratory periods per week.

Prerequisite: CHE 103. CHE 123 is not acceptable.
Theoretical and descriptive organic chemistry. A study of the chemistry of aliphatic and aromatic compounds including nomenclature, stereochemistry, reaction mechanisms, and the application of spectroscopy to organic chemistry.

304, 305—**Analytical Chemistry.** Four hours each.
Two theory and two 3-hour laboratory periods per week.
Prerequisite: CHE 103.

A course intended to give a knowledge of chemical equilibrium, the theories of quantitative analysis, and a study of the techniques necessary in making gravimetric and volumetric determinations. Separations and an introduction to instrumental analysis are included in CHE 305.

310—**Chemical Safety.** Two hours.
One theory period and one 3-hour laboratory period per week.
Prerequisite: CHE 253 or 303 or permission of the instructor.
A study of potential toxic, fire, explosion, and radiation hazards involved with various commonly used chemicals. Instruction in the safe opening, handling, and storage of chemicals; emergency measures for accidents involving chemicals; safe disposal of chemicals with minimum environmental contamination.

370—**Pre-Medical Quantitative Analysis.** Four hours.
Two theory periods and six hours laboratory per week.

Prerequisite: CHE 303.
Not to be taken by chemistry majors.
Fundamentals of analytical chemistry are given to enable a pre-medical student to understand how analytical tests are performed and how to interpret them.

371, 372—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** Four hours each.

Three theory periods and one double laboratory period per week.
Prerequisites: MAT 103, CHE 305 or 370.
Those topics of physical chemistry of immediate application to the problems of pre-medical and biological work form the basis of this course, the gas laws, kinetics, equilibrium and free energy, electro-chemistry, pH, buffers, surface phenomena, colloids, and membrane phenomena.
Not to be taken by chemistry majors.

401-G401, 402-G402, 403-G403—**Physical Chemistry.** Four hours each.
Three hours theory and one 3-hour laboratory period per week.
Prerequisites: MAT 277 and CHE 303.
A mathematical treatment of the laws governing chemical and physical changes. Topics treated are chemical thermodynamics, kinetics, surface and interface phenomena, nuclear chemistry, quantum chemistry, and spectroscopy. Emphasis is placed on problem solving in each of these areas.

404—**Chemical Literature.** One hour.
One lecture per week.
Prerequisite: CHE 303 and 305.
The selection and use of the reference materials of chemistry; periodicals, journals, texts, patents, and other sources of information.

405-G405—**Instrumental Analysis.** Five hours.
Four theory and three laboratory hours per week.
Prerequisites: CHE 303 and 305.
A course in the theory and use of analytical techniques such as colorimetry, polarimetry, ultraviolet, visible and infrared spectrophotometry, gas chromatography, mass spectroscopy, nuclear magnetic resonance spectroscopy, etc.

406-G406—**Qualitative Organic Analysis.** Five hours.
Two hours lecture and eight hours laboratory per week.
Prerequisite: CHE 303.
The systematic identification of pure organic chemicals and the analysis of mixtures, with considerable emphasis on chromatographic separation techniques and spectroscopic methods of analysis.

410—**Glass Blowing.** Two hours.
One hour lecture and three hours laboratory per week.
A course covering simple operations of glass blowing to enable the student to make common apparatus.

425-G425—**Introduction to Biochemistry.** Five hours.
Three hours lecture and four hours laboratory per week.
Prerequisite: CHE 303.
Subjects discussed include proteins, enzymes, nucleic acids, biological oxidations, and photosynthesis.

426-G426—**Intermediary Metabolism.** Five hours.
Three hours lecture and four hours laboratory per week.
Prerequisite: CHE 425
This course is designed to acquaint the student with the major metabolic cycles and pathways. Energy considerations and the interrelation of these pathways are included.

427-G427—**Metabolic Control.** Five hours.
Three hours lecture and four hours laboratory per week.
Prerequisite: CHE 426
The many systems of metabolic control are discussed. The role of hormones, vitamins and nucleic acids in control mechanisms are included along with a discussion of the circulatory system and the chemical basis of antibody diversity.

431, 432—**Inorganic Chemistry.** Four hours each.
Three hours lecture and one 3-hour laboratory period per week.
Prerequisite: CHE 403.
Theoretical approaches to electron configurations, chemical bonding, stereochemistry, spectra, and structural analysis applied to chemical systems.

461-G461—**Applications of Nuclear Techniques.** Four hours.
Three hours lecture and one 3-hour laboratory per week.
Prerequisite: Permission of the instructor.
Nuclear techniques applied to the solution of biological, chemical, environmental, geological, physical, health, and medical problems. Training consists of radioisotope handling, radiation detection, radiation shielding, nuclear problem design, tracer techniques, and radiological health monitoring. Numerous radiation sources are used and studied.

474—**History of Chemistry.** Four hours.
Four hours theory per week.
Prerequisite. Senior College standing.

496—**Special Projects I.** One to four hours.
Prerequisite: Permission of faculty.
A course in library and laboratory research on a problem chosen in consultation with the adviser.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS (CSS—330)

Danny R. Carter, Acting Chairman
Burge, Nagurney, Nissan, Phillippi, Stewart

The Computer Science and Statistics Department is designed to meet the great demand for trained personnel in electronic computers, and statistics in business, space and missile programs, engineering, government, and the academic world. The Department provides training in digital as well as analog computer techniques. Current course offerings provide for an academic major and minor in computer science and statistics at the undergraduate level and a minor in statistics at the graduate level.

The Department has initiated a cooperative education program with industry for selective students during their senior year. The students selected for this program attend school and work on alternate quarters.

REQUIREMENTS FOR MAJOR

The courses required for a baccalaureate major in computer science are listed below by sets.

(A) CSS 210, 300, 310, 311, 410, 411, 430
(B) CSS 400, 401, 402, 403, 404, 474
(C) CSS 415, 416, 425, 435, 436, 437

Requirements for Majors:

(1) Mathematics 379	
(2) All courses from set (A)	28
(3) Three courses from set (B)	12
(4) Two courses from set (C)	8
Total	48

A minor of twenty-eight (28) hours is also required. Suggested minors include the following: mathematics, physics, or statistics.

STATISTICS
CSS 435, 436, and 437—Theoretical Statistics
CSS 415, 416—Methods of Mathematical Statistics

The remainder of the thirty-six (36) hours is to be selected with the approval of the department chairman. Psychology 450 may be taken in the Department of Psychology and applied to a major or minor.

A minor of twenty-eight (28) hours is also required. Suggested minors include the following: computer science or mathematics.

COMPUTER SCIENCE COURSES (CSS—330)

200—**Statistical Methods I.** Four hours.
Prerequisite: MAT 100 or permission of instructor.
Sampling and sampling distributions: normal distributions, binomial distribution, measures of central tendency, measures of dispersion.

201—**Statistical Methods II.** Four hours.
Prerequisite: CSS 200.
Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

210—**Introduction to Programming Laboratory.** Four hours.
Prerequisite: MAT 100 or equivalent.
The use of problem oriented languages and peripheal equipment. Programming of problems using the USM H. E. L. P. language and the FORTRAN language.

300—**Introduction to Linear Programming Techniques.** Four hours.
Prerequisite: MAT 171.
Vectors and Euclidean spaces, linear transformations, convex sets and hyperplanes, theory of simplex method, the transportation problem.

310—**Digital Computer Programming.** Four hours.
Prerequisite: CSS 210.
Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

311—**Advanced Fortran Programming.** Four hours.
Prerequisite: CSS 210 or equivalent.
Magnetic tape, disk and drum input-output; Boolean Algebra, subroutines, complex variables, Fortran generated languages, introduction to PL/I.

315-316-317—**Applied Techniques in Statistics and Engineering.** Four hours each.
Prerequisite: MAT 378 or equivalent.
Laplace transforms and their applications, least squares, Fourier series and integrals, convolutions, Gamma functions, Beta functions, Bessell functions, complex inversion integral and conformal mapping.

400—**Numerical Analysis I.** Four hours.
Prerequisites: MAT 379 and CSS 311
Finite-difference interpolation, numerical differentiation and integration, methods of solving linear and non-linear equations and systems of such equations, matrix computations.

401—**Numerical Analysis II.** Four hours.
Prerequisite: CSS 400.
Numerical solution of ordinary differential equations and systems of such equations both initial and boundary value.

402—**Numerical Analysis III.** Four hours.
Prerequisite: CSS 401.
Parabolic, elliptic and hyperbolic partial differential equations, the eigenvalue problem; polynomial curve fitting, smoothing techniques.

403-G403—**Introduction to Analog Computers.** Four hours.
Prerequisite: MAT 405 or CSS 315
Design and testing of basic analog circuits.

404-G404—**Advanced Analog and Hybrid Systems.** Four hours.
Prerequisite: CSS 403.
Use of the analog computer to solve engineering problems.

410—**Computer Software I.** Four hours.
Prerequisite: CSS 310 or 311.
A study of single and multipass compilers, spectre language, macros, relocatible subroutines, compiler construction.

411—**Computer Software II.** Four hours.
Prerequisite: CSS 410 and MAT 277.
An in-depth study of assemblers and compilers using the USM/360 Spectre simulation package.

412-G412—**Educational Statistics.** Four hours.
Prerequisite: Permission of instructor.
Elementary probability, conditional probability, binomial experiments, curve fitting, least squares techniques, correlation and regression models.

413—**Computer Software III.** Four hours.
Prerequisite: CSS 310.
An in-depth study of operating systems and monitors with special emphasis on the MFT-II version of OS/360; job management, task management, data management, and other system related functions. Special attention is given to monitor programs.

415-G415—**Methods of Mathematical Statistics I.** Four hours.
Prerequisite: MAT 276 or permission of instructor.
Continuous and discrete distributions, moments of distributions, point and interval estimation, hypothesis testing, power of tests, analysis of variance (one-way classification, orthogonal contrasts), two-way classification analysis of variance, fixed, random and mixed models.

416-G416—**Methods of Mathematical Statistics II.** Four hours.
Prerequisite: CSS 415.
Orthogonal polynomial contrasts, multi-way classification, simple linear regression, multiple linear regression, polynomial regression, designs (simple randomized blocks, nested factorials), intra-class correlation, quality control.

425-G425—**Experimental Design.** Four hours.
Prerequisite: CSS 416.
Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

427-G427—**Sampling Methods.** Four hours.
Prerequisite: CSS 416.
The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

430—**Introduction to COBOL Programming.** Four hours.
Prerequisite: CSS 210 or 310.
Flow charting problems and techniques of programming using the COBOL language.

435—**Theoretical Statistics I.** Four hours.
Prerequisite: MAT 378.
Basic concepts in probability, moments of distributions, characteristic functions, multivariate distributions, conditional distributions.

436—**Theoretical Statistics II.** Four hours.
Prerequisite: CSS 435.
Properties of estimators (unbiasedness, minimum variance, consistent, sufficient, etc.) reliability theory, samples and sampling distributions.

437—**Theoretical Statistics III.** Four hours.
Prerequisite: CSS 436.
Linear models, least squares estimators and their applications to certain designs, likelihood ratio.

450-451-452-453—**Systems Programming.** Five hours each.
Prerequisite: Permission of instructor.
Students will be required to research systems problems, design solutions, and implement these solutions. Research will involve current software or hardware problems and will vary each quarter.

474-G474—**Boolean Algebra and Switching Circuits.** Four hours.
Prerequisite: Permission of instructor.
Symbolic logic and Boolean algebra for description and analysis of switching circuits, basic sequential circuits, digital systems design principles.

475—**Computer Design.** Four hours.
Prerequisite: CSS 474
A study of control units, arithmetic units, memories and microprogramming concepts.

DEPARTMENT OF GEOLOGY (GLY—340)

Richard L. Bowen, Chairman
B. W. Brown, Goossens, Hoskin, Paulson

Students may major in geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, and other allied occupations. Either a Bachelor of Science or Bachelor of Arts program may be taken, and graduate work through the Master's degree is offered in the Department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing, or similar courses in drafting and typing.

Bachelor of Science Program. For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the Basic College and the College of Science, are required:

Mathematics through Analytic Geometry
Chemistry 101-102-103 (or 121-122-123)
or Environmental Sciences 101-102-103
Physics 101-102-103 (or 201-202-203)
Geology 101, 103, 260, 302, 307, 310, 314, 330, and eight (8) other elective hours from departmental offerings. (These hours may be met wholly or in part by taking summer geology field courses or summer geology courses offered at marine study stations, such as the Gulf Coast Research Laboratory, with which the University of Southern Mississippi is affiliated.)

Minor. A minor of twenty-eight (28) hours is also required. Suggested minors include the following: biology, chemistry, computer science, geography, mathematics, or physics.

SUGGESTED GEOLOGY 4-YEAR CURRICULUM

A curriculum which prepares the student for professional employment or advanced study in geology is suggested below (students wishing to prepare for careers in paleontology, geochemistry, geophysics, or oceanography should consult with the departmental chairman regarding desirable modifications from this curriculum).

Freshman Year

Fall	Winter	Spring
ENG 111	ENG 112	ENG 113
CHE 101	CHE 102	CHE 103
GLY 101	GLY 103	Allied Arts 100 or PHI 210
MAT 171	MAT 276	MAT 277
PE or ROTC	PE or ROTC	PE or ROTC

Sophomore Year

PHY 201 (or 101)	PHY 202 (or 102)	PHY 203 (or 103)
GHY 103 or PS 101	HIS 101	HIS 102
GLY 260	PA 101 or Elective	PSY 201 or SOC 103 or 201
CSS 210	CSS 310	GLY 307

Junior Year

GLY 310	GLY 314	GLY 461
GLY 330	GLY 311	GLY 303
CHE 304	CHE 305	ECO 200 or 256
ENG 332	GLY 302	Elective

Summer Field Camp—GLY 480 (9)

Senior Year

GLY 401	GLY Elective	GLY Elective
CHE 371	CHE 372	Elective
GER, FRE, or RUS I	GER, FRE, or RUS II	GER, FRE, or RUS III
Elective	Minor Elective	Minor Elective

At the discretion of the Department nine specified quarter hours from geology, mathematics, physics, chemistry, or biology may be substituted for Geology 480. Normally this substitution is permitted only for women students and physically handicapped students.

The Department has a cooperative arrangement with the Gulf Coast Research Laboratory. Certain courses in marine sedimentation may be taken at the Laboratory; these are generally taught in the summer.

GEOLOGY MINOR AND PREPARATION FOR SECONDARY EDUCATION, EARTH SCIENCE TEACHING

The following courses are suggested for students seeking a geology minor or preparation for earth science teaching in secondary schools: GLY 101, 103, 260, 307, 310, and two of these—GLY 302, 314, 350, 479.

GEOLOGY COURSES (GLY—340)

101—**Physical Geology.** Four hours.

Three lectures and two hours laboratory per week.

An introduction to earth science, including the physical processes responsible for shaping the major features of the landscape; laboratory study of common minerals and rocks and various geologic processes. A half-day field trip may be required.

103—**Historical Geology.** Four hours.

Three lectures and two hours laboratory per week.

Prerequisite: GLY 101.

A study of earth history as revealed in the character and fossil content of rocks. A field trip may be required.

260—**Introduction to Minerals and Rocks.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: GLY 101, CHE 102 or CHE 122.

Elementary crystallography, sight recognition of the more common minerals with intensive study of the diagnostic rock-forming minerals; introduction to rocks. Field trips may be required.

302—**Invertebrate Paleontology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and permission of instructor.
Invertebrate fossils from the Protozoa through Conodontophoridia with attention to taxonomy, morphological features, and geologic distribution.

303—**Paleoecology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisite: GLY 302.
A study of the relationship between ancient organisms and the environment in which they lived.

307—**Geomorphology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 101 and 103.
Study of the landscape and its origin through geologic processes, with examples illustrated by topographic maps, air photographs, and field observation.

310—**Mineralogy.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 260 and either CHE 103 or CHE 123. The chemistry may be taken concurrently.
Physical, descriptive, chemical, and determinative mineralogy. Field trips may be required.

311—**Optical Mineralogy.** Four hours.
Three hours lecture and two hours laboratory per week.
Prerequisites: GLY 310 and MAT 103.
Introduction to optical mineralogy.

314—**Petrology.** Four hours.
Three hours lecture and two hours laboratory per week; field trips.
Prerequisite: GLY 260; GLY 310 recommended.
A study of the origin, description, and classification of igneous, sedimentary, and metamorphic rocks.

330—**Structural Geology.** Four hours.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and MAT 103.
Principles of rock deformation.

350—**Environmental Geology.** Four hours.
Examination of problems in groundwater, drainage basins, construction practices, natural resources extraction and utilization, erosion, and sedimentation as related to difficulties now facing human development and environmental control and amelioration for future progress.

401—**Principles of Stratigraphy.** Four hours.
Four hours lecture; weekend field trip.
Prerequisites: GLY 260, 302, 330.

420-G420—**Sedimentology.** Four hours.
Two hours lectures and four hours laboratory per week.
Prerequisites: GLY 314, PHY 103 (or 203).
Study of sedimentary materials, their formation, transportation, deposition, and lithification. Field trips.

422-G422—**Petroleum Geology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 314, 330, 401.
The origin, occurrence, and accumulation of oil and natural gas; field trips.

430-G430—**Elements of Geochemistry.** Four hours.
Three lectures and one laboratory per week.
Prerequisites: GLY 101, CHE 103 or equivalent, and consent of instructor.

Geochemical cycles of the atmosphere, hydrosphere, and lithosphere. Concentration controls. Geochemical effects in earth history. Techniques of geochemical exploration.

431-G431—**Elements of Geophysics.** Four hours.

Three lectures and one laboratory per week.

Prerequisites: GLY 101, MAT 103, PHY 103 (or 203), and consent of instructor.

Terrestrial magnetism and electricity, gravitational field variations and measurements, seismic reflection and refraction, nuclear geology, surface and subsurface measurements. Concepts and significance of geophysical variations.

445-G445—**Economic Geology.** Four hours.

Three hours lecture and two hours laboratory per week.

Prerequisites: GLY 310, 314, and 330.

Principles of ore deposits; introduction to fuels and non-metallic minerals deposits. Written reports will be required; field trips.

452-G452—**Physical Marine Geology.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisites: GLY 103, 310, and 420, or permission of instructor.

A general introduction to the physical processes at work on the shores of Mississippi Sound with emphasis on the erosional and depositional effects of waves and currents at different stages of tide.

453-G453—**Chemical Marine Geology,** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisites: GLY 103, 310, 420, and CHE 201 and 203, or permission of instructor. Supervised research in the chemistry of the waters and sediments of Mississippi Sound.

454-G454—**Problems in Marine Sedimentation.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisite: Permission of instructor.

Supervised study of selected aspects of marine sedimentation along the Gulf Coast.

461-G461—**Petrography.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: GLY 311 and 314.

Systematic study of rocks by means of the polarizing microscope.

468-G468—**Micropaleontology I.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: GLY 302 and 303.

Taxonomy, morphology, and stratigraphic use of Foraminifera; field trips.

469-G469—**Micropaleontology II.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: GLY 302 and 303.

Taxonomy, morphology, and stratigraphic use of Ostracoda; field trips.

479-G479—**Introductory Oceanography.** Four hours.

Three hours of lecture and two hours of laboratory per week. Field trips.

Prerequisites: GLY 103, PHY 103, CHE 103 or equivalent, and consent of instructor.

Techniques and results of study of the oceanic hydrosphere and its interfacial relationships with the lithosphere and atmosphere.. Interdisciplinary approaches especially suitable for training in science education programs are emphasized.

480—**Geology Summer Field Camp.** Nine hours.

1½ hours credit per week in the field.

Prerequisites: GLY 101, 103, 260, and 330.

Geologic field methods, collection of field data, and compilation of geological reports.

482-G482—**Geological Excursion.** Two hours. (May be repeated, in a different region, for a total of four hours credit.)

Field studies of geological phenomena in areas remote from the campus, by means of 8 to 10 days field trips between quarters. Must be registered for at registration time of quarter preceding the trip; credit will be granted during quarter following the trip, after completion of field report. Transportation fee will be assessed dependent on length of trip.

485—**Problems in Geology.** Four hours

Prerequisites: Senior standing and permission of the department head.

Independent study or research designed for the needs of individual students.

DEPARTMENT OF MATHEMATICS (MAT—350)

Porter G. Webster, Acting Chairman

Dunigan, Essary, Felder, Hare, Holmes, King, Knighton, Light, Morrell, V. Mullins, Munn, C. Ratcliff, R. Ratcliff, J. Thrash

The Department of Mathematics offers a major and minor for students who are candidates for the Bachelor of Arts or the Bachelor of Science, the Master of Arts or the Master of Science degrees, the Master of Philosophy, and, in cooperation with the College of Education and Psychology, the Master of Education and the Doctor of Education degrees. For information concerning degrees beyond the bachelor's degree consult the **Graduate Bulletin.**

The courses required for a baccalaureate major are listed below by sets in order to facilitate the proper selection of course sequences.

(A) Mathematics 276, 277, 378, 379, 326, 341.

(B) Mathematics 401, 405, 423, 426, 431, 441, 471.

Requirements for Majors:	**Hours**
(1) All courses in set A	24
(2) Four courses from set B	16
(3) Any 400 level course other than MAT 409 or MAT 430	4
Total	44

Recommendations for Minors:	**Hours**
(1) All courses in set A	24
(2) One or more courses from set B	4
Total	28

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(i) prepare students for industrial or commercial employment,

(ii) prepare students to teach secondary school mathematics,

(iii) prepare students for graduate study in mathematics.

The following courses are strongly recommended for:

(1) Prospective elementary school teachers: MAT 100, 318, 341, 409. If other courses are desired; 101, 103.

(2) Prospective teachers of secondary school mathematics: The State certification requirements in mathematics for a Class A certificate are: twenty-four (24) semester or thirty-six (36) quarter hours to include the following:

(i) Fifteen (15) semester or twenty-four (24) quarter hours to include Algebra 101, Trigonometry 103, Analytic Geometry 171, Calculus 276 and 277.

(ii) Nine (9) semester or twelve (12) quarter hours to include at least two of the following areas: Abstract Algebra 423 or 424,

Modern Geometry 401, Foundations of Mathematics 341, Probability and Statistics 420.

If other mathematics courses are desired, the student should take courses that will prepare him to do graduate work in mathematics.

A student may choose as many areas of certification as he desires just so he meets the certification requirements for the area. For mathematics these requirements are (i) and (ii) above.

It is assumed that mathematics or science majors will have had Algebra I, Algebra II, geometry, and trigonometry in high school. These students should begin their mathematics program with MAT 171 and/or MAT 276. The same applies to any student with a strong background in secondary school mathematics. Students without this background in mathematics should elect MAT 103 and/or MAT 101. Mathematics majors should take MAT 341 and 326 concurrently with some of the calculus courses.

MATHEMATICS COURSES (MAT—350)

100—**Basic Mathematics.** Four hours.

101—**College Algebra.** Four hours.

103—**Plane Trigonometry.** Four hours.

112—**Mathematics for Business and Social Sciences.** Four hours.

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the chairman of the Mathematics Department.

171—**Analytic Geometry.** Four hours.
Prerequisite: MAT 103 or high school trigonometry.

276, 277—**Calculus I, II.** Four hours each.
Prerequisite: MAT 171 or its equivalent for 276, 276 for 277. MAT 171 and MAT 276 may be taken concurrently.

318-G318—**Basic Concepts of Mathematics for Elementary School Teachers.** Four hours.

Prerequisite: MAT 100 or its equivalent. (Open only to elementary education majors; graduate credit only toward Master's degree in education earned in an in-service course.)

326—**Linear Algebra I.** Four hours.
Prerequisite: MAT 171.

338—**History of Mathematics.** Four hours.
Prerequisite: MAT 276. (Correspondence only)

341—**Foundations of Mathematics.** Four hours
Prerequisite: MAT 171.

378, 379—**Calculus III, IV.** Four hours each.
Prerequisite: MAT 277 for 378, MAT 378 for 379.

401-G401—**Geometry.** Four hours.
Prerequisite: Secondary school geometry or MAT 409, and MAT 341.

405—**Introduction to Differential Equations I.** Four hours.
Prerequisite: MAT 379. MAT 405 may be taken concurrently with MAT 379.

406-G406—**Numerical Analysis I.** Four hours.
Prerequisites: MAT 326, MAT 405, CSS 210.

407-G407—**Number Theory.** Four hours.
Prerequisite: MAT 341.

409-G409—**Mathematics for Teachers of Junior High School Mathematics.** Four hours.
(Open only to elementary education majors or as an elective for mathematics majors.)

411-G411—**Vector Analysis.** Four hours.
Prerequisite: MAT 379.

415-G415—**Introduction to Differential Equations II.** Four hours.
Prerequisite: MAT 405.

416-G416—**Numerical Analysis II.** Four hours.
Prerequisites: MAT 406 and CSS 311.

417-G417—**Partial Differential Equations.** Four hours.
Prerequisite: MAT 405 and MAT 411.

418-G418—**Linear Programming. Four hours.**
Prerequisite: MAT 326.

420-G420—**Statistics and Probability.** Four hours.
Prerequisite: MAT 341.

423-G423—**Modern Algebra I.** Four hours.
Prerequisite: MAT 341.

424-G424—**Modern Algebra II.** Four hours.
Prerequisite: MAT 423.

425-G425—**Fourier Series.** Four hours.
Prerequisites: MAT 326 and MAT 405.

426-G426—**Linear Algebra II.** Four hours.
Prerequisite: MAT 326.

430—**Introduction to Applied Mathematics.** Four hours.
Prerequisite: MAT 326, MAT 405, and CSS 311.
A mathematics major may take this course only as an elective. It is not a part of the requirements for a major.

431-G431—**Theory of Functions of a Complex Variable I.** Four hours.
Prerequisite: MAT 379.

435-G435—**Laplace Transform.** Four hours.
Prerequisite: MAT 405. MAT 405 and MAT 435 may be taken concurrently.

441-G441, 442-G442, 443-G443—**Advanced Calculus I, II, III.** Four hours each.
Prerequisites: MAT 379 and 341, 441 for 442, 442 for 443.

471-G471—**General Topology.** Four hours.
Prerequisites: MAT 341 and MAT 378.

472-G472—**Algebraic Topology.** Four hours.
Prerequisites: MAT 424 and MAT 471.

473-G473—**Metric Spaces.** Four hours.
Prerequisite: MAT 471.

DEPARTMENT OF MICROBIOLOGY (MIC—310)

Peter K. Stocks, Chairman

Barrett, Brundage, Roush, Yarbrough

The Department of Microbiology offers programs of study leading to the degrees of the Bachelor of Science, the Master of Science and the Doctor of Philosophy. For information on the Master's and the Doctor of Philosophy programs please consult the **Graduate Bulletin.**

The Department of Microbiology is designed to prepare students for careers in medical and industrial (applied) microbiology and genetics. Current course offerings provide for an undergraduate major or minor in microbiology or a minor in genetics.

Requirements for Major

A student majoring in the Department of Microbiology must complete a minimum of forty-eight (48) quarter hours including the following specific courses:

	Hours
Microbiology 339, 340, 428, 441, 444	20
Biology 401, 409, 425	12

In addition to the major requirements listed above, the following courses are also required by the Department:

Chemistry 101, 102, 103, 301, 302, 303	30
Physics 101, 102, 103	15
Mathematics 171, 276, 277	12

Suggested Four-Year Curriculum for Microbiology Majors

Fall	Winter	Spring
Freshman Year		
ENG 111	ENG 112	ENG 113
BIO 101	BIO 102	BIO 103
CHE 101	CHE 102	CHE 103
MAT 171	MAT 276	MAT 277
PE or ROTC	PE or ROTC	PE or ROTC
Sophomore Year		
CHE 301	CHE 302	CHE 303
PHY 101	PHY 102	PHY 103
MIC 339	MIC 340	MIC 444
BIO 401	HIS 101	HIS 102
Junior Year		
CHE 304	CHE 305	AA 100
ENG 332	PSY 201	MIC 428
MIC 405	MIC 447	MIC 442
CSS 200	CSS 201	CSS 210
Senior Year		
PHI 210	ECO 200	MIC 441
BIO 409	BIO 425	MIC 471
CHE 425	CHE 426	CHE 427
BIO 468	BIO 469	ESC 411

MICROBIOLOGY COURSES (MIC—310)

220—**Microbiology for Home Economics Students.** Four hours.
Four hours lecture and demonstration per week.
Microorganisms in relation to higher plants and animals, particularly man; their functions in the cycle of chemical transformation, in food production, and in general sanitation.

339—**General Microbiology I.** Four hours
Two hours lecture and four hours laboratory per week.
Introduction to basic principles of microbiology.

340—**General Microbiology II.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: MIC 339, one year of inorganic chemistry; organic chemistry recommended.

382—**Genetics in Human Affairs.** Four hours.
Four hours lecture per week.
The basic principles of genetics as illustrated by man. A survey of current knowledge of human heredity and applications of these principles to human affairs are discussed.

405-G405—**Pathogenic Microbiology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prequisites: MIC 339 and 340 and consent of instructor.
Schemes for isolation and identification of major groups of disease producing microorganisms.

420-G420—**Soil Microbiology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: MIC 339 and 340, organic chemistry, or consent of instructor.
Study of soil microflora, emphasis on nitrogen-carbon cycle of environment.

428-G428—**Advanced Genetics.** Four hours.
Prerequisites: BIO 101, 102, 401.
A continuation of BIO 401. Study of phenotypic effects of genes, of radiations and other mutagens, population genetics, speciation, microbial genetics, and regulations of gene motion.

436-G436—**Interpretation of Biological Data.** Four hours.
Prerequisites: MAT 103, BIO 401.
Techniques applicable to the design and interpretation of biological research data.

440-G440—**Physiological Genetics.** Four hours.
Prerequisite: BIO 401.
Recent advances in physiological genetics. Attention will be directed to literature on the nature of genes and to the interaction of heredity and environment in the expression of the characteristics of higher organisms.

441-G441—**Microbiology of Water and Sewage.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: MIC 339, 340, organic chemistry or consent of instructor.
Control of pure water supply; sources and types of pollution and control of sewage disposal.

442-G442—**An Introduction to Clinical Instrumentation.** Four hours.
This course is particularly designed for the advanced medical technology students, to familiarize them with instrumental procedures commonly encountered in modern medical technology. Particular emphasis will be placed on spectrophotometry (visible and UV determinations), flame photometry, and fluorescent antibody techniques.

444-G444—**Advanced Microbiological Techniques.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: MIC 339, 340, organic chemistry or consent of instructor.
Special emphasis is placed on microbiological techniques beyond the scope of MIC 340.

447-G447—**Advanced Pathogenic Microbiology.** Four hours.
Prerequisite: MIC 405.
Continuation of MIC 405 on an advanced level; schemes for isolation and identification of major groups of disease producing organisms.

450-G450—**Microorganisms in Health and Disease I.** Four hours.
Four hours lecture.
Prerequisite: Junior or senior standing.
Course not designed for majors in the College of Science.
A comprehensive survey of the bacteria, viruses, rickettsiae, chlamydiae, yeasts, molds, protozoa, and other human parasites; their relationship to man and his environment.

451-G451—**Microorganisms in Health and Disease II.** Four hours.
A continuation of MIC 450-G450.
A study of immunology, serology, and pathogenic microorganisms.

471-G471—**Immunology and Serology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: MIC 405-G405.
Studies of infection, resistance, types of immunity, hypersensitivity, and major techniques of diagnostic immunological reactions.

492-G492—**Microbiological Problems I, II, III.** Two hours each.
Given only by special arrangement.
A course in special techniques, designed for majors with a need for certain basis microbiological techniques as tools for future research.

DEPARTMENT OF PHYSICS (PHY—360) AND ASTRONOMY (AST—365)

William E. Hughes, Chairman

Folse, Rayborn, St. Clair, Wood

The primary objectives of the Physics Department are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to:

(a) Serve as teachers in secondary schools. A physics major for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 371, 381, 341, plus 12 hours of any other physics courses above the 200-level (total 39 hours).

(b) Serve as physicists in government or industry. Physics majors for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 371, 381, 341, 350, 351, 421, 422, 490, 491, plus 8 hours of other physics courses above the 200-level (total 51 hours). The prerequisite mathematics for the physics courses may constitute the minor, or the student may elect to complete any additional allied science for the minor. Chemistry 101, 102, and 103 are required.

(c) Pursue professional work and graduate study in physics. It is the intent of the Physics Department to meet the recommendations of the *American Institute of Physics—National Science Foundation Committee on Curriculum for Undergraduate Physics Majors.* Fifty-one (51) hours of physics cannot meet this requirement. For that reason any student planning to do graduate work in physics should consult the Department about additional undergraduate credits; sixty (60) hours of undergraduate physics preparation are required. Chemistry 101, 102, and 103 are required.

NOTE: Astronomy 301, 302, 303 do not fulfill the physics courses which may be elected in (b) and (c) above.

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the departmental office. Students planning to major in physics should obtain these leaflets as soon as possible.

It is assumed that the high school mathematical preparation of entering freshman students includes Algebra I, Algebra II, geometry, and trigonometry.

PHYSICS COURSE (PHY—360)

101, 102, 103—**General Physics.** Five hours each.

Four lecture periods and one 3-hour laboratory period per week.

Prerequisites: MAT 103. Corequisite for PHY 101.

A traditional course in general college physics intended for liberal arts and pre-medical students.

Mechanics and hydrodynamics; electricity and magnetism; light, heat and sound. May not be taken by any one who has completed calculus except by permission of the chairman.

201, 202, 203—**General Physics with Calculus.** Five hours each.

Four lecture periods and one 3-hour laboratory period per week

Corequisite: Calculus.

Mechanics and hydrodynamics; electricity and magnetism; light, heat and sound.

A more rigorous course in general physics recommended but not required (in preference to PHY 101) for physics majors. This course is required of engineering students.

211—**Elementary Modern Physics.** Five hours.

Four lecture hours and one laboratory per week.

Prerequisite: PHY 103.

X-rays, relativity, radioactivity, elementary particles, lasers, fission and fusion, radar, and microwaves.

290-291—**Selected Topics I, II.** Two hours each.
Two hours per week.
Prerequisite: PHY 103.
Corequisites: Calculus 276 and 277.
Physics topics in mechanics and electricity and magnetism emphasizing the calculus approach.

327-328—**Electronics.** Four hours each.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisites: PHY 103 or 203 and Calculus.
Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation

331-332—**Thermodynamics.** Four hours each course
Three lecture periods and one 3-hour laboratory period per week.
Prerequisites: PHY 103 or 203 and Calculus.
Temperature, thermodynamic systems, laws of thermodynamics, reversibility and irreversibility, carnot cycle, entropy and a brief introduction to the physics of very low temperatures.

341—**Geometrical Optics.** Four hours.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisites: PHY 103 or 203 and Calculus.
Rays, refractive and reflective surfaces, lens design, stops and optical instruments.

350-351—**Mechanics.** Four hours each.
Four lectures per week, each course.
Prerequisites: PHY 103 or 203, Calculus.
Mathematical treatment of the dynamics of particles and rigid bodies, wave motion, and vibration.

371—**Physics of the Atom I.** Four hours.
Three lecture periods and one laboratory period per week.
Prerequisites: PHY 103 or 203, and Calculus as co-prerequisite.
Survey of atomic particles, electromagnetic radiation and X-Rays, the hydrogen atom, theory of optical spectra and electron distributions within the atom.

381—**Nuclear Physics of the Atom II.** Four hours.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisite: PHY 371.
Natural radioactivity, fundamental particles, nuclear fission, radioactive production of isotopes and new elements.

392—**Physics Special Problems I, II, III.** One hour per quarter.
Prerequisite: Permission of the chairman.
A course limited to junior and senior physics majors, to work out in the laboratory special problems of interest to the student. A formal written report will be required, showing extensive library research, and a completed piece of functioning apparatus must be constructed.

421-422—**Electricity and Magnetism.** Three hours each.
Three lecture hours per week.
Prerequisites: PHY 103 or 203, Calculus.
Vector Analysis, electrostatics, magnetostatics and electromagnetic fields.

441—**Physical Optics.** Four hours.
Prerequisites: PHY 341, Calculus.
Huygen's Principle, interference, diffraction, polarization and electromagnetic theory of light.

444-G444—**Fundamentals of Solid State Physics.** Four hours.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisite: PHY 481.

Study of the solid as an electromagnetic wave medium, exitation levels, and the one electron theory.

461-G461, 462-G462, 463-G463—**Modern Physics.** Four hours each.
Prerequisites: PHY 381 and Mechanics.
Electromagnetic waves, electron emission, X-radiation, relativity, quantum theory, spectroscopy, wave mechanics, atomic and nuclear structure, and cosmic rays.

476-G476—**The Physics of Waves.** Four hours.
Four lecture hours per week.
Prerequisite: Mechanics.
A treatment of waves in one, two, and three dimensions. Transverse waves, waves on a membrane, theory of elasticity, acoustic waves, diffraction, and spectrum analysis of waveforms.

481-G481—**Nuclear Physics.** Four hours.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisite: PHY 381.
Nuclear binding forces, chain reaction, criticality the non-steady state reactor, radiation shielding.

485-G485, 486-G486—**History and Literature of Physics I and II.** Four hours each.
Prerequisite: PHY 103 or 203.
A survey of the literature of physics from the ancients to Einstein; reviewing the development of concepts, and the rise and fall of various theories which were used to explain observed phenomena.
A survey of the development of Relativistic theories, and the experimental data which now impinges on this school of thought. A study of current sources of experimental and research data will be made.

487—**A Survey of the Atmosphere I: Meteorology.** Four hours.
Prerequisites: CHE 103 and PHY 103 or equivalent. Not counted toward a physics major.
General circulation, vertical structure, and principal variables will be stressed. The course will include radiation heating, and cooling with gravity-density effect on moisture, as well as large scale motion.

490-491—**Electrical Measurements Laboratory.** One hour each.
Corequisites: PHY 441 and 442.
Laboratory experiments in electricity and magnetism.

499—**Undergraduate Research, I, II, III.** Two hours per quarter.
Prerequisite: Permission of the chairman.
A course limited to selected senior physics majors to introduce the student to methods of physical research, requiring a formal literature search, problem outlines, construction of apparatus, and collection of accurate data on some assigned problem. A formal report will be required.

ASTRONOMY COURSES (AST—365)

301, 302, 303—**General Astronomy.** Three hours each.
Prerequisite: MAT 101.
Three lecture periods per week.
Introduction to the coordinate systems of the earth and celestial sphere, time and its applications, the solar system.
Astronomical relations of light, atomic theory, spectroscopy, further topics on the solar system, comets and meteorites.
Astronomical measurements, star classifications, relative and apparent motion of the stars, galaxies, extra-solar matter and the stellar energy cycle.

301, 302, 303—**General Astronomy Laboratory.** One hour each.
Laboratory experiments in astronomical measurements.

To satisfy the laboratory science requirement, the Astronomy Laboratories should be taken with the corresponding lectures; otherwise the student may elect to enroll in the lectures only.

DEPARTMENT OF POLYMER SCIENCE (PSC—370)

S. F. Thames, Chairman

A student planning to major in polymer science will obtain the Bachelor of Science degree. For information concerning the Master's degree in polymer science, see the **Graduate Bulletin.**

The Bachelor of Science degree in polymer science constitutes an interdisciplinary program of study and therefore no minor is required. This program of study is one of broad spectrum designed to prepare participants for service in the polymer or related industries and/or for graduate studies.

Requirements for the Bachelor of Science in polymer science includes:

	Hours
Basic Core	55
Physics	15
Polymer Science	21
Computer Science	12
Chemistry	47
Mathematics	32
Environmental Science-411	4
Electives	6

A student entering this program should consult with his adviser concerning the identity and chronological order of the courses to be taken. The following is a suggested approach to the desired curriculum:

Freshman

	Hours
English	12
Mathematics	12
Chemistry (101, 102, 103)	15
Basic Core	

Sophomore

	Hours
Mathematics	12
Physics (201, 202, 203)	15
Chemistry (301, 302, 303)	15
Basic Core	

Junior

	Hours
Polymer Science (301, 302, 420)	13
Computer Science	8
Mathematics	8
Chemistry (401, 402, 403)	12
Chemistry (405)	5
Basic Core	

Senior

	Hours
Polymer Science	10
Computer Science	4
Environmental Science (411)	4
Basic Core	
Electives	

POLYMER SCIENCE COURSES (PSC—370)

In the sequence of courses the immediate lower number is prerequisite for the following course.

301, 302—**Introduction to Polymer Science I, II.** Four hours each.

Four lecture per week for each.

Consists of introduction to the theory of macromolecules, the mechanisms of synthesis, physical and mechanical properties. To include naturally occuring macromolecules as well as synthetic organic and inorganic macromolecules.

420—**Polymer Preparation and Characterization.** Five hours.
Two hours lecture and six hours laboratory.
To include the synthesis and characterization of a variety of polymer systems, i.e. polyesters, polyurethanes, acrylates, amides, imides, polyester-ethers. Will involve the use of solution and emulsion polymerization techniques.

450, 457—**Special Projects in Polymer Science.** Five hours each.
Two hours seminar and six hours laboratory.
Seminar and laboratory course in which a problem is presented to the student such that he may pursue library search of pertinent reference sources. Prospectus is prepared and research plan is executed with final status report required.

DEPARTMENT OF SCIENCE EDUCATION (SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale, Flowers, Hurst, Matthews, Sonnier

The Department of Science Education is operated jointly by the College of Science and the College of Education and Psychology. The facilities are in the College of Science. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year in college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from thirty-five (35) to forty-four (44) quarter hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the four-year program is given below:

FRESHMAN YEAR

	Hours
English 111, 112, 113	12
Mathematics 101, 103, 171	12
Chemistry 101, 102, 103	15
American Government, PS 101	4
Allied Arts 100	4
Health 179	4

SOPHOMORE YEAR

Biology 101, 102, 103, 104	16
Literature or Advanced Grammar, ENG 210, 215, 219, or 433	8
History 101, 102	8
Geography 203 or 204	4
Physics 101, 102, 103	15

JUNIOR YEAR

Psychology 201	4
Sociology 103	4
Public Address 101	4
Geology 101, 103 or 260	8

Begin prescribed (36 hours) professional education sequence

Additional sciences (Note: biology specialists must complete organic chemistry.)

SENIOR YEAR

Complete education sequence (total)	36
CIS 451J (quarter preceding student teaching)	4
CIS 313, 481J	16
Science Education 400-level course in specific science area	4

Complete required science courses and credits needed for graduation.

Biology courses for specialization—101, 102, 103, 104, 220, 301, 302, 401, and three electives

Chemistry courses for specialization—101, 102, 103, 301, 302, 303, 304, 305

Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 301, 260 or 310, 302 or 314; AST 301, 302, 303; GHY 203, 204, 480, 350 or 479

Physics courses for specialization—101, 102, 103, 371, 381, and three electives

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and provides the necessary background courses in professional education for effective teaching.

Although a student may minor in general science, it may not be applied to the science teacher training program.

Students in the College of Science should discuss minors in the sciences with their adviser and/or the particular science department chairman. Students in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

SCIENCE EDUCATION COURSES (SEC—380)

Including Fundamentals of Science (FS—390)

Fundamentals of Science: A sequence of two courses in the physical sciences and two in the biological sciences. Each course carries four quarter hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various science departments, the student should read carefully the prerequisites and limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses. Fundamentals of Science courses must be taken in sequence.

FS 104—**Physical Science I.** Four hours.

A student who has credit for two quarters or one semester of physics cannot receive credit for this course.

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Four hours.

A student who has credit for one semester or two quarters of chemistry and/or physical or historical geology cannot receive credit for this course.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I.** Four hours.

Elementary studies in the general life sciences. Emphasis is upon unifying principles and the development of biological theories. Important ideas are: cell theory and biochemical processes, heredity, evolution, and interdependence.

FS 107—**Biological Science II.** Four hours.

A continuation and enlargement of ideas presented in FS 106. A student who has credit in BIO 101 and 102 or the equivalent cannot receive credit for FS 106 and 107.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Six hours lecture-laboratory work per week.

Prerequisite: Permission of the instructor.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn.

SCE 401-G401—**CHEM Chemistry for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize chemistry teachers with the materials, methods, and techniques of teaching chemistry developed by the Chemical Education Materials Study Committee. Unifying principles of chemistry are emphasized, with laboratory work providing the basis of development.

SCE 402-G402—**PSSC Physics for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize physics teachers with content, methods, materials, and techniques of physics developed by the Physical Science Study Committee and other national physics curriculum development groups.

SCE 403-G403—**ESCP Earth Science Methods and Materials for Teachers.** Four hours.

Six hours lecture-laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize teachers with content, methods, material, and techniques developed by the Earth Science Curriculum project committee.

SCE 404—**Biological Sciences for Intermediate School Teachers.** Four hours.

A detailed critical examination of the subject matter, techniques, and methods for teaching the life sciences in a locally structured, student-oriented-classroom. Micro-teaching is provided to insure a new kind of teaching as required by new kinds of educational materials. This course may not be used to fulfill University core requirements.

SCE 405—**Physical Sciences for Intermediate School Teachers.** Four hours.

A detailed critical examination of the subject matter, techniques, and methods for teaching the various modern physical science curriculum project materials. This course will orient teachers with the philosophy of science as a tool of learning and emphasize the use of the laboratory as a tool of science. This course may not be used to fulfill University core requirements.

SCE 432—**Science for Elementary Teachers.** Four hours.

Prerequisites: FS 104, 105, 106, 107, or 8 quarter hours in physical science and 8 quarter hours in biological science.

Six hours of lecture, audiovisual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades and to provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods. Required of and designed for elementary education majors only.

SCHOOL OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean
H. O. Jackson, Assistant Dean

PURPOSE

The primary objective of the School of Business Administration is to prepare a student to achieve his maximum potential in the business world after graduation. This is done through a blending of cultural knowledge, economic literacy, basic business tools, and specialized knowledge in his chosen field. The specialized knowledge is superimposed upon a broad coverage of courses in the arts, sciences, mathematics, economics, and general business. With this background the graduate has been given enough specialized training, to enable him to start work in one of the functional areas of business and a broad enough education with the ability to use managerial tools to rise to the executive level.

The School of Business Administration is also committed to offering quality education at the master's level, services to the business world through seminars and workshops, and research opportunities for its faculty and students through the Bureau of Business Research.

ACADEMIC ORGANIZATION AND OPERATION

For efficient operation the School of Business Administration is organized into the departments of Accounting, Economics, Finance, Management, and Marketing. Each department offers at least one major and a student interested in a particular area should examine any alternative majors or course emphases offered by that department.

Whatever major is chosen the student pursues the same curriculum except for his major course requirements. Upon completion of all requirements he is awarded the degree of Bachelor of Science in Business Administration.

The Department of Economics offers the Bachelor of Arts degree in the College of Liberal Arts as well as the Bachelor of Science in Business Administration.

BUREAU OF BUSINESS RESEARCH

The functions of the Bureau of Business Research are designed to complement the overall program and objectives of the School of Business Administration. Specific functions included are to: provide an administrative framework for research projects; provide a source of support for, and flexibility of approaches to, research by faculty members (including Bureau staff); publish research reports; provide a readily identifiable point of contact for business, industry, and government relative to research and services in the areas of business and economics; provide for the development and execution of service programs; and maintain a framework to assist in the education and training of students.

STUDENT ADMITTANCE AND ADVISEMENT

A student is eligible for admission to the School of Business Administration when he has completed as many as forty-eight (48) quarter hours with an acceptable record.

Upon his admission to the School, the student is assigned an adviser within the School by the Office of the Dean. His adviser will be his department chairman or someone designated by the department chairman who will approve his schedule each quarter, provide counsel, and sign his application for degree.

A student who changes his major within the School must come to the Office of the Dean and change his departmental designation and his adviser.

STUDENT ORGANIZATIONS, PLACEMENT, AND ASSISTANCE

The School promotes several professional and honorary societies for stu-

dents in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity in accounting; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Phi Chi Theta, professional fraternity for women in all areas of business; Pi Sigma Epsilon, professional fraternity in marketing; Rho Epsilon, professional fraternity in real estate; and Society for Advancement of Management, professional fraternity in management.

All these organizations are coordinated under the Business Fraternity Council of the School.

The School cooperates with the University Placement Bureau in assisting its graduates in finding positions. The student is expected to establish a file with the Placement Bureau three quarters before graduation in order to avail himself of all the opportunities.

There are several scholarships available exclusively for students in the School of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to:

Director of Student Aid and Scholarships
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

PLAN FOR FRESHMAN AND SOPHOMORE YEARS

The curriculum requirements below are for all students in the School working toward the Bachelor of Science in Business Administration.

The transfer student should conform to the suggested curriculum as far as possible.

CURRICULUM FOR FRESHMEN AND SOPHOMORES

Freshman Year

	Hours
English 111, 112, 113—Freshman English	12
Social Sciences	4
(To be selected from geography or political science)	
History	8
(History 101 and 102 or History 111 and 112 recommended)	
Mathematics	8
(Mathematics 101 and 112 or equivalent)	
Science	8
(Biology, chemistry, fundamentals of science, geology, or physics)	
Liberal Arts and Science electives	8
(Public Address 101 is recommended as one)	
Physical Education or Military Science	3
	51

Sophomore Year

Humanities and Fine Arts	8
(To be selected from literature, allied arts, philosophy)	
Social Sciences	8
(To be selected only in areas of psychology and sociology)	
Liberal Arts and Science electives*	8
(May include Health 179)	
Economics 255, 256	8
(Principles of Economics)	

*Advertising majors must take JOU 341 and 342

Accounting 201, 202, 203**	12
(Principles of Accounting. **Accounting majors may delete Accounting 203 and go directly into Accounting 301 or Accounting 320)	
Finance 290 or Computer Science 210	4
	48

Business Core

	Hours
Marketing 300—Principles of Marketing	4
Economics 301 or CSS 200—Elementary Statistics	4
Finance 310—Fundamentals of Business Law	4
Economics 330—Money and Banking	4
Management 360—Principles of Management	4
Finance 375—Managerial Communications	4
Finance 389—Business Finance	4
	28

Major Requirements

The majors are outlined under the department in which they are located. With the consent of his adviser, a student occasionally may make a substitution for one of his required courses.

Minor Requirements

There is no minor required for the Bachelor of Science in Business Administration.

ELECTIVES

The electives as prescribed in the Freshmen and Sophomore Curriculum are designed to give the student the minimum number of hours required in the College of Liberal Arts and the College of Science to provide the business major with a broad liberal education. These electives are recommended during the first two years so the student may spend his last two years primarily in the School of Business Administration, but they may be taken anytime during his academic career. They are purposely not too restrictive as to courses or areas, so the student may choose the subjects he feels to be of greater interest and benefit to him as an individual.

The electives prescribed during the junior and senior years are free electives which may be taken in the School of Business Administration or in any department throughout the University. The student should ask the adviser about these in an attempt to use these electives to supplement his major requirements.

The student should make sure that he will have a minimum of seventy-two (72) hours in the College of Liberal Arts and the College of Science. Health 179 and courses in psychology may be included in meeting this requirement.

DEPARTMENT OF ACCOUNTING (ACC—605)

Jerold J. Morgan, Chairman

H. Anderson, S. Carpenter, Cooley, Cummings, Dear, Estes, Jackson, Kenamond, McDuff, Torres

The curriculum in accounting is intended to prepare students for professional accounting positions in industry, government or public accounting, and to provide a firm foundation for those students planning to do graduate work in accounting.

The following courses are recommended for students planning to minor in accounting: Accounting 202, 203, 301, 302, and three advanced accounting courses.

ACCOUNTING

		Hours
Freshman and Sophomore Curriculum		95
Business Core		28
Economics 302—Elementary Statistics II		4
Finance 311—Advanced Business Law		4
Accounting Courses as listed below :		40
Accounting 301—Intermediate Accounting I	4	
Accounting 302—Intermediate Accounting II	4	
Accounting 320—Elementary Cost Accounting	4	
Accounting 429—Federal Income Tax I	4	
Accounting 401—Advanced Accounting I	4	
Accounting 402—Advanced Accounting II	4	
Accounting 409—Auditing I	4	
Accounting 405—Current Accounting Theory and Research	4	
Accounting 420—Advanced Cost Accounting and Budgeting	4	
Accounting Electives	4	
Unrestricted Electives		21
		192

ACCOUNTING COURSES (ACC—605)

201—**Principles of Accounting I.** Four hours.

The meaning and purpose of accounting; accounting statements and the accounting cycle; special journals; notes and interest; bad debts; inventories.

202—**Principles of Accounting II.** Four hours.

Prerequisite: ACC 201

Plant assets and depreciation; bank reconciliation and petty cash; voucher system; concepts and principles; payrolls; taxes; partnerships; corporations.

203—**Principles of Accounting III.** Four hours.

Prerequisite: ACC 202 (For non-accounting majors.)

Departmental and branch accounting; job order, process, and standard cost accounting; budgeting and internal reports; source and application of funds; statement analysis.

300—**Administrative Applications of Accounting.** Four hours.

Prerequisite: ACC 203.

(For non-accounting majors.)

A study of the uses of accounting data with particular emphasis on internal uses of quantitative data and their significance to management.

301—**Intermediate Accounting I.** Four hours.

Prerequisite: ACC 202.

A resumé of accounting theory and a brief review of accounting statements, followed by an intensive study of inventories, intangible assets, fixed assets, cash and temporary investments, receivables, and current and contingent liabilities.

302—**Intermediate Accounting II.** Four hours.

Prerequisite: ACC 301.

A study of permanent investments, long-term debt, corporate capital, statements from incomplete data, correction of errors, special problems of income determination, analytical techniques, fund and cash flow statements.

320—**Elementary Cost Accounting.** Four hours.

Prerequisite: ACC 202.

The accountant's role in the organization; cost terminology; cost-volume-profit relationships; job order and process cost accounting; standard costs and analysis of variances.

401—**Advanced Accounting I.** Four hours.

Prerequisite: ACC 302 or consent of instructor.

Partnership accounting, joint ventures, consignments and installment sales, home office and branch, fund accounting, and annuities.

402—**Advanced Accounting II.** Four hours.

Prerequisite: ACC 401 or consent of instructor.

A brief introduction to consolidated financial statements, accounting for fiduciaries, governmental accounting and actuarial science.

405-G405—**Current Accounting Theory and Research.** Four hours.

Prerequisites: ACC 320, 409, 429, 401, and 402 or consent of instructor.

The study of current accounting problems, with special emphasis on the published bulletins (pronouncements) of professional accounting organizations. Students will explore specific contemporary controversial topics and write research papers.

409—**Auditing I.** Four hours.

Prerequisites: ACC 301 and 302.

A study of auditing principles, techniques, and procedures, professional ethics and legal responsibility, the audit program, field work, and the audit report.

410-G410—**Auditing II.** Four hours.

Prerequisite: ACC 409.

A study of AICPA audit bulletins, application of statistical sampling techniques to auditing, review of internal control procedures, and case studies in auditing procedures.

420-G420—**Advanced Cost Accounting and Budgeting.** Four hours.

Prerequisite: ACC 320.

A study of the uses and limitations of cost analysis in managerial decision-making and control. Emphasis will be on relevant costs, capital budgeting, joint and by-product costs, inventory planning and control, and direct costing. Students will be required to read articles in current literature pertaining to cost and managerial accounting.

429—G429—**Federal Income Tax Accounting I.** Four hours.

Prerequisite: ACC 301 or consent of instructor.

An introductory course with emphasis on the computation and reporting of ordinary income, capital gains and losses, exclusions, and deductions applicable principally to individuals.

430-G430—**Federal Income Tax Accounting II.** Four hours.

Prerequisite: ACC 429.

A continuation of ACC 429 with emphasis on research in taxation, accounting methods, special sales, payment of taxes, guides for partnerships, estates, trusts, and corporations, and preparation and filing of required returns.

450-G450—**Accounting Systems.** Four hours.

Prerequisite: ACC 409.

A study of the nature and procedure of systems work with attention given to the design and use of business papers and forms, mechanical equipment and auxiliary devices, punched-card accounting methods, journals, ledgers, internal checks, and applied accounting systems and procedures.

460-G460—**Consolidated Statements and Accounting for Fiduciaries.** Four hours.

Prerequisite: ACC 402 or consent of instructor.

An in-depth study of fiduciary accounting principles and reports, parent and subsidiary accounting including consolidations and mergers, and foreign exchange.

470-G470—**Municipal and Governmental Accounting.** Four hours.

Prerequisite: ACC 202.

An in-depth study of the principles and standards of governmental accounting, with emphasis on classification of accounts, fund accounting, statements and reports.

492-G492—**Research in Accounting Problems.** One to four hours.

Prerequisites: Senior standing and approval of instructor.

A seminar course for advanced study in problems in cost accounting, budgeting, auditing, income tax, or governmental accounting.

DEPARTMENT OF ECONOMICS (ECO—610)

Jack C. Wimberly, Chairman

Black, Cameron, Greene, Housley, Lewis, Li,
McQuiston, Seal, Whitesell, D. C. Williams

The major curricula in economics are intended to prepare students for positions as economists in education, business, and government. The recommended minor in economics constitutes a systematic study of the economic environment in which we live. A few advanced courses have been designed to provide appropriate instruction in economics to students in other major fields; and several comprehensive introductory courses may be taken by those who are interested in economics in a less formal way.

The recommended minor in economics outside the School of Business Administration consists of Economics 255, 256, 301, 302, 310, 330, 340, and 345. CSS 200 substitutes for Economics 301, and students taking that course should take CSS 201 in lieu of Economics 302.

The School of Business Administration does not require a minor field. However, a student in the School may, if he so desires, minor in economics or include an economic emphasis through his choice of electives. Such a student should consult closely with the Department of Economics faculty.

ECONOMICS—BACHELOR OF SCIENCE

	Hours	Hours
Freshman and Sophomore Curriculum		99
Business Core		28
Major requirements as listed below		32
Economics 302—Elementary Statistics II	4	
Economics 340—Price Theory	4	
Economics 345—Income Theory	4	
Economics (Electives)	20	
Electives*		33
		192

*Students considering graduate work in economics should consult frequently with Economics Department advisers, and are urged to take some mathematics courses beyond the minimum core requirements. Competent students may substitute a higher mathematics for core requirement.

ECONOMICS—BACHELOR OF ARTS

LATIN AMERICAN FOREIGN TRADE—BACHELOR OF ARTS

The degree of Bachelor of Arts in Economics or Latin American Foreign Trade is granted by the College of Liberal Arts. Economic Department requirements are listed here.

Departmental Requirements

Major in Economics*		36
Economics 301—Elementary Statistics I (or CSS 200)	4	
Economics 302—Elementary Statistics II (or CSS 201)	4	

Economics 330—Money and Banking 4
Economics 340—Price Theory 4
Economics 345—Income Theory 4
Economics (Electives) 16

*Students considering graduate work in economics should consult frequently with department advisers and are urged to take some mathematics courses beyond the minimum core requirements.

See major in Latin American Foreign Trade under Latin American Studies.

ECONOMIC COURSES (ECO—610)

200—**Introduction to Economics.** Four hours.

Not to be counted toward major, minor, or meeting the core requirements of the School of Business Administration. Credit for graduation will not be given for both Economics 200 and 255 or 256.

An elementary survey of political economy and economic analysis for students taking only one course of economics.

255—**Principles of Economics I.** Four hours.

(Macro economics, formerly Economics 252.)

An examination of the basic institution of American capitalism and the determination of the level of national income, employment, prices, and growth within the system.

256—**Principles of Economics II.** Four hours.

(Micro economics, formerly Economics 251.)

Economics of the firm with emphasis on product and resource market operations under varying degrees of competition and the application of the tools of economic analysis to current economic problems.

301—**Elementary Statistics I.** Four hours.

Prerequisite: MAT 101 or 112.

This course may not be taken for credit by students who have completed CSS 200.

A survey of the basic concepts of statistics; data sources, collection, and presentation; measures of central tendency and dispersion; normal curve analysis; sampling and decision theory; hypothesis testing, and probability.

302—**Elementary Statistics II.** Four hours.

Prerequisite: ECO 301.

A study of index numbers; time series analysis; simple and multiple regression and correlation; forecasting; chi square; poisson and f distributions, and other advanced measures used in statistical analysis.

310—**Economic History of the United States.** Four hours.

A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330—**Money and Banking.** Four hours.

Prerequisites: ECO 255 and 256.

An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory.

335—**Economics of the Firm.** Four hours.

Prerequisites: ECO 255 and 256.

Not for economic majors. Credit for graduation will not be given for both ECO 335 and ECO 340 or equivalents from some other institution.

An intermediate study of the application of economic theory to managerial decision-making.

340—**Price Theory.** Four hours. Fall Quarter

Prerequisite: ECO 256.

An intermediate study of the determination of prices in factor and final product markets.

345—**Income Theory.** Four hours. Winter Quarter.

Prerequisite: ECO 255.

An intermediate study of the determination of income and employment.

365—**Economics of Labor.** Four hours.

A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

400-G400—**Public Finance.** Four hours.

Prerequisites: ECO 255 and 256.

A study of federal and state spending and fund raising policies within the context of the social goals to be accomplished by such policies.

405-G405—**Quantitative Analysis in Economics I.** Four hours.

Prerequisite: ECO 335 or 340 or consent of instructor.

Usually offered in alternate years.

A survey of mathematical concepts particularly suited for their application in economic theory of consumer and theory of the firm.

406-G406—**Quantitative Analysis in Economics II.** Four hours.

Prerequisite: ECO 405.

Usually offered in alternate years.

Design, estimation, and testing of mathematical models in economic theory, with emphasis on microeconomics.

413—**The Economy of Latin America.** Four hours.

Prerequisites: ECO 255 and 256 or permission of instructor.

A study of the evolution of the institutional arrangements relating to the Latin American economies and their impact on resource use and allocation, economic growth, and related economic problems.

420-G420—**Economics of Public Utilities.** Four hours.

Prerequisite: ECO 256.

Usually offered in alternate years.

A study of the development, institutional bases, structure, and regulation of public utilities.

430-G430—**Economics of Urban Areas.** Four hours.

Prerequisites: ECO 255 and 256.

Usually offered in alternate years.

A study of the economic problems of urban areas, with special reference to the problem of urban land utilization and the spending and fund-raising problems of municipal government.

435-G435—**International Trade Theory.** Four hours.

Prerequisites: ECO 340 and 345.

A study of the historical development of international trade theory, the importance of international trade, the mechanism of international payments, and modern theories dealing with the subject.

436-G436—**International Economic Relations.** Four hours.

Prerequisite: ECO 435.

A study of the problems and policies arising out of international economic relations and practices.

440-G440—**Economic Development.** Four hours.

Prerequisites: ECO 255 and 256.

A study of the nature, causes, and effects of regional and national economic development.

445—**Business Cycles and Forecasting.** Four hours.

Prerequisites: ECO 302 and 345. Winter Quarter.

An examination of the causes and methods of prevention of economic fluctuations with emphasis on the techniques of forecasting economic variables.

460-G460—**Fiscal Theory.** Four hours.

Prerequisite: ECO 345.

Usually offered in alternate years.
A study of the theoretical bases for governmental fiscal operations.

470-G470—**Comparative Economic Systems.** Four hours.

A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, communism, and capitalism.

482—**Contemporary Economic Problems I.** Two hours.

Prerequisites: ECO 255 and 256.

Usually offered in alternate years.
A study of the economic problems of monopoly, international trade, and income distribution.

484—**Contemporary Economic Problems II.** Two hours.

Prerequisites: ECO 255 and 256.

Usually offered in alternate years.
A study of the economic problems of the business cycle, inflation, growth, and the size and influence of the public economy.

DEPARTMENT OF FINANCE (FIN—615)

Louis K. Brandt, Chairman

Clements, E. Cook, Jordan, King, Lemoine, Sirmon, West

This Department offers major fields of study in three areas: Finance, General Business, and Real Estate and Insurance. The policy of the Department is to stress education in the selection and handling of tools for problem-solving, analysis, and decision-making in each of the three areas of study. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decisions for action at all levels of management.

The offerings in the Finance Department qualify the student for entering administrative training programs of financial and non-financial businesses like banks, finance companies, brokerage and investment companies, commercial, industrial, and public utility enterprises. Offerings in general business necessarily cut across several segments of the business curriculum including accounting, finance, management, and marketing, thus opening the door to a somewhat wider range of job opportunities. Offerings in real estate and insurance are, by contrast, more specialized, being designed essentially for the person interested in selling, risk management, and property and agency management. The student is encouraged to seek part-time employment in the area of his major during his last two years of schooling, to blend practical experience with classroom work.

The student who wishes to further his education may work for the Master's degree in finance. This will strengthen his qualifications for higher-level administrative positions in business, and will also open new doors to teaching, research, and graduate work at the doctoral level.

The Department has a recommended minor for non-business majors which requires Economics 255 and 256, Finance 415, and four electives in one or more of the three areas: Finance, General Business, and Real Estate and Insurance.

Major—Finance

	Hours
Freshman and Sophomore Curriculum	99
Business Core	28

Major requirements as listed below		32
Economics 302—Elementary Statistics II	4	
Finance 325—General Insurance	4	
Finance 350—Banking Administration	4	
Finance 452—Investment Finance	4	
Finance 462—Security Analysis & Portfolio Planning	4	
Finance 472—International Business Finance	4	
Finance 480—Financial Management	4	
Elective in Department of Finance	4	
Electives (See explanation under "Electives")		33
		192

Major—General Business

Freshman and Sophomore Curriculum		99
Business Core		28
Major requirements as listed below		32
Accounting 300—Administrative Accounting	4	
Economics 335—Economics of the Firm	4	
Finance 325—General Insurance	4	
Finance 415—Government and Business	4	
Finance 480—Financial Management	4	
Management 454—Human Relations	4	
Marketing 480—Marketing Management	4	
Elective in Department of Finance	4	
Electives (See explanation under "Electives")		33
		192

Major—Real Estate and Insurance

Freshman and Sophomore Curriculum		99
Business Core		28
Major requirements as listed below		32
Finance 325—General Insurance	4	
Finance 330—Real Estate	4	
Finance 425—Life Insurance	4	
Finance 430—Real Estate Law	4	
Finance 432—Real Estate Finance	4	
Finance 434—Real Property Valuation	4	
Finance 436—Property Management	4	
Finance 445—Fire and Casualty Insurance	4	
Electives (See explanation under "Electives")		33
		192

FINANCE COURSES (FIN—615)

100—**Introduction to Business.** Four hours.

This course may not be taken for credit by juniors and seniors following programs in the School of Business Administration.

An introductory course to practically all phases of the business and economic world.

290—**Business Data Processing.** Four hours.

Data processing as a tool for analysis and decision making at the management level of business administration.

310—**Fundamentals of Business Law.** Four hours.

An exposure to the background and present status of substantive and procedural law, the law of contracts, sales and agency.

311—**Advanced Business Law.** Four hours.

Prerequisite: FIN 310.

An elective course with a more specific treatment of the subject matter as applied to business. Especially suitable for the accounting, finance, and insurance majors.

320—**Personal Finance.** Four hours.

A study of the financial problems that people encounter in planning and managing their own individual affairs. Emphasis is given to budgeting, borrowing, savings and investments, life insurance, social security and annuities, home ownership, taxes, estate planning, and wills and trusts.

325—**General Insurance.** Four hours.

A beginning course in insurance designed to explain the fundamental principles of risk and risk bearing and to introduce the insurance mechanism as a device for reducing risk and sharing losses.

330—**Real Estate.** Four hours.

An introduction to the field of real estate covering the principles of valuation, appraisal, financing and marketing of real estate.

350—**Bank Administration.** Four hours.

Prerequisite: ECO 330.

A comprehensive survey of practical bank administration, covering such topics as bank practices and problems, loans and discounts, investments, fiduciary and other services, and the money market.

375—**Managerial Communications.** Four hours.

Effective principles and practices of written communication and graphic presentation, and their functional translations in terms of audience evaluation. The basic approach is problem-solving involving human relations messages, and decision-making reports. It is recommended that the student first complete the Business Core.

389—**Business Finance.** Four hours.

Prerequisites: ACC 203 and ECO 256.

Deals with internal and external financial management issues. Emphasis is placed on basic tools and methods of analysis for decision-making by financial managers.

400—**Computers in Decision Making.** Four hours.

Prerequisites: FIN 290, ECO 301, and ECO 302 or equivalent.

Principles of quantitative methods for business decisions under conditions of certainty, uncertainty, and risk. Tool uses include linear programming, probabilistic models, simulation of models, queuing theory, and PERT.

415—**Government and Business.** Four hours.

A study of the place of government in the business world, with emphasis on types of controls, regulation of public service corporations and financial institutions, laws to enforce competition, and government aids to business.

425—**Life Insurance.** Four hours.

A comprehensive treatment of life insurance, with the use of materials paralleling those approved by the American College of Life Underwriters.

430—**Real Estate Law.** Four hours.

Designed to give the student a general background in real estate law covering such major points as land and its elements, easements, titles, deeds, recording, brokers and managers, contracts of sales, insurance, and landlord and tenant, with emphasis on case and problem solutions.

432—**Real Estate Finance.** Four hours.

Prerequisite: FIN 330 or instructor's consent.

Traditional sources of real estate funds as well as public financing of industrial developments. The larger portion of the course is devoted to an analytical framework for long-run real estate investment decisions.

434—**Real Property Valuation.** Four hours.

Prerequisite: FIN 330 or instructor's consent.

Political, social and economic forces which operate simultaneously to

create value. Quantative methods are developed which will lead to an estimate of value which would appear reasonable in the market place.

436—**Property Management.** Four hours.

Prerequisite: FIN 330 or instructor's consent.

Economics of location, finance, marketing, and law in the content of property management. A brief look at managing corporate real estate will be followed by step-by-step program of apartment management developed to utilize the aid of a computer program.

440—**Transportation.** Four hours.

Prerequisites: Principles of Economics and Principles of Marketing, and junior standing.

The principles, practices, and problems of transportation that prevail in the United States.

445—**Fire and Casualty Insurance.** Four hours.

Prerequisite: A previous course in insurance.

An analysis of the fire policy, consequential loss contracts, ocean and inland marine risks, automobile underwriting, business liability protection.

452—**Investment Finance.** Four hours.

Prerequisite: FIN 389.

Introduction to stock and bond analysis and evaluation for investment decisions. Also an introduction to market operations and portfolio analysis.

462—**Security Analysis and Portfolio Planning.** Four hours.

Prerequisite: FIN 389.

To develop proficiency in the use of investment management tools for security evaluation, and to increase decision-making skill in planning portfolio needs of individuals and business enterprises.

472—**International Business Finance.** Four hours.

Prerequisite: FIN 389.

Concerned with the short- and long-run financial operations and specific cash and capital management problems of our increasing number of multinational businesses seeking to operate profitably abroad.

480—**Financial Management.** Four hours.

Prerequisite: FIN 389.

High-level analysis of internal and external financial decision-making issues. A systematic treatment, mainly by the case method, of major current and long-term financial management problems.

492—**Independent Study.** Four hours.

Special research assignment designed to meet the needs of the particular student; satisfactory completion of the work is to be evidenced by a written scholarly report acceptable to the supervising faculty member.

DEPARTMENT OF MANAGEMENT (MGT—620)

Martin Stegenga, Chairman

Bracey, J. Davis, Gottleber, Moore, Sanford, Sweat

The program of study in management has two major objectives: (1) to give the student a broad perspective of the organization and operation of the modern business enterprise, with particular reference to its relationship to the economy as a whole, and (2) to prepare the student, by specialized training, to begin employment which may lead to positions of managerial responsibility.

Students interested in the management field have the option of electing to major in either industrial management or personnel management. The industrial management option places emphasis on production activities, motion and time study, wage incentive methods, and the nature and characteristics of specific industries. The personnel management option emphasizes the study of collective bargaining, labor law and legislation, the administration of wage

systems, and the administration of personnel with special reference to the human relations aspects of the business enterprise.

Careers in management are available in industry, government, and teaching. Beginning employment opportunities for which the management graduate is trained include such sample jobs as: job analyst, foreman, production scheduler and dispatcher, time study man, employment interviewer, assistant training supervisor, and junior management trainees. The student's broad education and training will, when coupled with additional maturity and experience, serve to further his career in more responsible management positions, such as production or plant manager, labor relations director, and personnel manager.

The recommended minor in management for a non-business major is Economics 255 and 256, Management 360, and four courses in the Management Department.

Major—Personnel Management

		Hours
Freshman and Sophomore Curriculum		99
Business Core		28
Economics 302—Elementary Statistic II		4
Major requirements as listed below		32
Management 364—Personnel Management	4	
Management 370—Labor Law and Legislation	4	
Economics 365—Economics of Labor	4	
Management 454—Human Relations	4	
Management 456—Industrial Training	4	
Management 468—Wage and Salary Administration	4	
Management 472—Collective Bargaining	4	
Management 484—Problems in Personnel Administration	4	
Electives (See explanation under "Electives")		29

Major—Industrial Management

Freshman and Sophomore Curriculum		99
Business Core		28
Major requirements as listed below		32
Accounting 300—Administrative Accounting	4	
Management 362—Introduction to Industrial Management	4	
Economics 302—Elementary Statistics II	4	
Management 464—Motion and Time Study	4	
Management 466—Production and Quality Control	4	
Management 468—Wage and Salary Administration	4	
Management 476—Managerial Systems Analysis	4	
Management 482—Production Problems Seminar	4	
Electives (See explanation under "Electives")		33

MANAGEMENT COURSES (MGT—620)

360—Principles of Management. Four hours.

Basic management concepts and principles applied to the functions of planning, organization, and control in business enterprise.

362—Introduction to Industrial Management. Four hours.

Prerequisite: MGT 360.

The basic principles and policies in the management of an industrial plant, covering such topics as plant location and layout, purchasing, materials handling, maintenance, and production control systems.

364—Personnel Management. Four hours.

Prerequisite: MGT 360.

A course covering the tools of personnel management, with principal emphasis on the major task of procuring, developing, maintaining, and using an effective work force.

370—**Labor Law and Legislation.** Four hours.
Prerequisite: MGT 360 or FIN 310.
A study of the development of legislation and of court decisions pertaining to labor relations. Special emphasis is given to the importance of legal principles involved in managerial decisions.

386—**Industrial Safety.** Two hours.
Prerequisite: MGT 362 or MGT 364.
A study of the nature, causes, and costs of industrial accidents and occupational diseases. An analysis of safety problems and procedures in establishing industrial safety programs

454—**Human Relations.** Four hours.
A study of individual and group interaction and behavior in the business and industrial environment with emphasis on interpersonal and intergroup motivations and conflicts.

456—**Industrial Training.** Four hours.
Prerequisite: MGT 364.
A study of the methods, procedures, and psychology in planning and organizing effective in-service training programs for employees and management.

464—**Motion and Time Study.** Four hours.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
A general course in the fundamentals of operation analysis, motion economy, micromotion techniques, time study, job standards, and fatigue and industrial efficiency.

466—**Production and Quality Control.** Four hours.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
An evaluation of some of the problems of management as they relate to the production and quality of output, with emphasis upon statistical methods and other management techniques to achieve acceptable quality in production at minimum cost.

468-G468—**Wage and Salary Administration.** Four hours.
Prerequisite: MGT 362 or MGT 364.
A study of wage and salary structures; preparation and use of job analyses, descriptions, and specifications; job evaluation, incentive systems, and individual wage determination; and wage surveys, fringe benefits, and merit rating systems.

472-G472—**Collective Bargaining.** Four hours.
Prerequisite: MGT 370.
A study of the practices, techniques, procedures, methods, and legal and administrative requirements of collective bargaining, with a consideration of the points of view of the worker, the union, the employer, and the general public.

474—**Supervisory Management.** Two hours.
Prerequisite: MGT 360 or MGT 364.

A study of the responsibilities of the line supervisor; development of techniques and skills in job training, maintenance of morale, motivation, handling grievances, interviewing, and counseling through case studies, role playing, and conference procedures.

476—**Managerial Systems Analysis.** Four hours.
Prerequisites: MGT 464 and MGT 466.

An analysis of management systems and procedures techniques for improving managerial controls and reducing operating costs; includes a study of work measurement, forms control, Monte Carlo and queuing theories, and an introduction to electronic data processing concepts with management applications.

482-G482—**Production Problems Seminar.** Four hours.
Prerequisites: Management majors only or consent of adviser.

Special study of selected current problems in manufacturing production. A case approach to such problems as plant and warehouse location, selection and maintenance of equipment, product mix and quality, purchasing, and production controls.

484-G484—**Problems in Personnel Administration.** Four hours.
Prerequisites: Management majors only or consent of adviser.

An application through case analysis of the principles and techniques in personnel administration. A problems and case approach to develop proficiency in applying principles and developing decision-making ability.

DEPARTMENT OF MARKETING (MKT—625)

Richard C. Vreeland, Chairman

Cousley, Ivy, Schoell, Stevens

There are three basic functions performed by any business organization: marketing, production, and finance. The goal of the Department of Marketing is to train students to fill competently positions as managers of the marketing function. It is necessary, therefore, that the student not only learn the subject of marketing but that he also master certain executive skills, of which ability to think is usually considered the most important. Other attributes of significance are the ability to: (1) solve problems; (2) communicate orally and in writing; (3) understand and work with people.

The context of marketing courses provides the student with a basic knowledge of marketing principles and techniques. The method used in teaching the material enables the student to develop the skills necessary to utilize this knowledge after graduation.

For a student not majoring in the School of Business Administration, a minor in marketing can be earned by completing twenty-eight (28) hours of courses in the following recommended sequence:

1. Economics 200, and Marketing 300
2. Marketing 330, 332, and 355 (select any two)
3. Marketing 400, 432, or 375 (select one)
4. Any two marketing electives

Students in the Department may major in either marketing or advertising by completing one of the following programs:

Marketing

		Hours
Freshman and Sophomore Curriculum		99
Business Core		28
Economics 302—Elementary Statistics II		4
Major Requirement as Listed Below		32
Marketing 370—Marketing Problems	4	
Marketing 410—Marketing Research	4	
Marketing 480—Marketing Management	4	
Marketing 432, 400, or 375 (select one)	4	
Marketing Electives	16	
Electives (See explanation under **Electives**)		

Advertising

(This is an interdisciplinary major offered jointly by the Department of Marketing and the Department of Communication, College of Liberal Arts.)

Freshman and Sophomore Curriculum*		99
Business Core		28
Economics 302—Elementary Statistics II		4
Major Requirements as Listed Below:		40
Marketing 332—Principles of Retailing	4	

Marketing 335—Principles of Advertising	4
Marketing 365—Consumer Behavior	4
Marketing 370—Marketing Problems	4
Marketing 410—Marketing Research	4
Marketing 475—Promotion Development	4
Radio-TV-Film 325—Radio Production	4
Radio-TV-Film 326—Television Production	4
Radio-TV-Film 422—Radio and Television Advertising and Writing	4
Communication 480—Advertising Management and Sales	4
Free Electives	21

*The student must use eight hours of his Liberal Arts electives on JOU 341 and 342, Print Media Advertising I, II.

MARKETING COURSES (MKT—625)

300—**Principles of Marketing.** Four hours.

A survey course designed to give a general understanding of marketing in present day society, the channels involved in the distribution of goods, the functions performed by the institutions and agencies in marketing.

330—**Salesmanship.** Four hours.

A study of the principles of persuasion as applied to the art of salesmanship.

332—**Principles of Retailing.** Four hours.

A survey course comprising an analysis of the factors underlying the successful operation of retail stores including location, stock arrangement, buying and selling, advertising and display, merchandise, planning and control, personnel management, and customer relations.

355—**Principles of Advertising.** Four hours.

A study of methods used to disseminate among groups information concerning goods and services, the sales promotional aspects of such dissemination, and the evaluation techniques available.

365—**Consumer Behavior.** Four hours.

Prerequisite: MKT 300.

Analysis of human behavior in the market place. Special emphasis is placed on behavioral patterns, motivational research, and communication.

370—**Marketing Problems.** Four hours.

An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology as applied to marketing.

375—**Advanced Advertising.** Four hours.

Prerequisite: MKT 355.

A study of principles and techniques of advertising presentation adaptable to mass communication media and direct advertising.

380—**Industrial Marketing.** Four hours.

Prerequisite: MKT 300.

A study of the special problems involved in marketing materials, equipment, and supplies to manufacturers, other business firms, and institutions that use the goods in further production; determination of methods and policies appropriate to the goods and the marketing situations.

400—**Sales Management.** Four hours.

Prerequisite: MKT 330.

A study of the principles involved in the selection, training, and management of salesmen. Also considered is the application of these principles in order to make the selling function more efficient.

410-G410—**Marketing Research.** Four hours.

Prerequisite: ECO 302.

A study of principles and techniques used in marketing research to solve factual and qualitative marketing problems.

432—**Advanced Retailing.** Four hours.
Prerequisite: MKT 332.

A study of the various operations performed in a retail store. The modified case method of instruction is used.

475-G475—**Promotion Development.** Four hours.
Prerequisite: MKT 355 or consent of instructor.

A study of the relationship of the business organization to the various interest groups which affect its promotional results, and the policies and procedures utilized in connection with such groups.

480-G480—**Marketing Management.** Four hours.
Prerequisite: Open only to majors or minors in marketing during their senior year.

A comprehensive course designed to synthesize the more specialized marketing knowledge of the student. The interrelation of all marketing activities in reaching the firm's objectives is emphasized through the study of case histories.

SCHOOL OF FINE ARTS

Raymond Mannoni, Dean
Gomer J. Pound, Assistant Dean

PURPOSE

The primary purpose of the School of Fine Arts is to provide its students with a well-rounded preparation for professional or teaching careers in one of the many branches of art, music, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the School of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The School of Fine Arts is organized into five departments: Art, Art Education, Music, Music Education, and Theatre Arts. Baccalaureate degrees are awarded in Fine Arts, Art, Music, and Music Education, with appropriate majors. Undergraduate minors are available in art history, dance, music, and theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the School. This course fulfills the University's core requirements for Fine Arts.

The School cooperates with the University Honors Program. Approximately fifteen members of each year's Freshman class in music are selected to enter the School's program.

Since curricular requirements vary for each major, students aiming at degrees from the School of Fine Arts should follow the course sequences for each year outlined in detail under each department in the following pages.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

ALLIED ARTS (AA)

AA 100—**Introduction to the Arts.** Four hours.

An introduction to the Fine Arts through a study of the principles which unite them. Subject, medium, and function of architecture, painting, sculpture, music, and the theatre arts are emphasized.

DEPARTMENT OF ART (ART—660)

Walter Lok, Chairman

Clark, Duke, Ford, Merrifield, Ward

Curricula leading to the degree of Bachelor of Fine Arts are offered in drawing and painting, commercial art, and three dimensional design. A major is available in art leading to the degree of Bachelor of Arts. Minor programs are also available in various areas of art, including art history.

All transfer students are required to submit a portfolio of representative work prior to registration in order to receive advanced standing.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and student committees. The Department reserves the right to retain student work for exhibition purposes.

The FRESHMAN year is a common course of study for all major programs in art.

English 111, 112, 113	4	4	4
Art 120; Theoretical Foundations	4		
Electives		4	4
Physical Education or Military Science	1	1	1

Art 101, 102, 103; Drawing I, II, III	4	4	4
Art 111, 112, 113; Design I, II, III	4	4	4
	17	17	17

The remaining three years are detailed below for each undergraduate major.

DRAWING AND PAINTING MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

Humanities and Fine Arts Core Electives	4	4	4
Mathematics	4		
Electives		4	4
Art 315, 325, 335; History	4	4	4
Art 201, 202, 203; Figure Drawing	4	4	4
	16	16	16

Junior

Science	4	4	
Social Science Core Electives	4	4	4
Art 321; Watercolor			4
Foreign Language	4	4	4
Art 331; Oil Painting		4	
Art Electives	4		4
	16	16	16

Senior

Art 322, 423; Watercolor	4		4
Art Elective		4	
Art 332, 433; Oil Painting	4	4	
Art 470; Painting Project			4
Electives	8	8	8
	16	16	16

COMMERCIAL ART MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

Humanities and Fine Arts Core Electives	4	4	4
Mathematics	4		
Electives		4	4
Art 315, 325, 335; History	4	4	4
Art 201, 202; Figure Drawing	4	4	
Art 321; Watercolor			4
	16	16	16

Junior

Science	4	4	
Social Science Core Electives	4	4	4
Art Elective			4
Art 341, 342, 343; Commercial	4	4	4
Foreign Language	4	4	4
	16	16	16

Senior

Art 441, 442, 443; Advertising	4	4	4
Art Elective	4	4	
Art 480; Advertising Project			4
Electives	8	8	8
	16	16	16

THREE DIMENSIONAL DESIGN MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

Humanities and Fine Arts Core Electives	4	4	4
Mathematics	4		
Electives		4	4
Art 315, 325, 335; History	4	4	4
Art 201, 202; Figure Drawing	4	4	
Art 321; Watercolor			4
	16	16	16

Junior

Science	4	4	
Social Science Core Electives	4	4	4
Art 355, 356, 457; Ceramics	4	4	4
Art Elective			4
Foreign Language	4	4	4
	16	16	16

Senior

Art 351, 352, 453; Sculpture	4	4	4
Art Elective	4	4	
Art 493, Three Dimensional Design Project			4
Electives	8	8	8
	16	16	16

ART MAJOR

(Leading to the degree of Bachelor of Arts)

Sophomore

Humanities and Fine Arts Core Electives	4	4	4
Mathematics	4		
Electives		4	4
Art 315, 325, 335; History	4	4	4
*Art Sequence I	4	4	4
	16	16	16

Junior

Science	4	4	
Social Science Core Electives	4	4	4
**Minor or Elective			4
Foreign Language	4	4	4
*Art Sequence II	4	4	4
	16	16	16

Senior

Foreign Language	4	4	
**Minor and Electives	12	12	16
	16	16	16

*Twelve (12) hours of art from a single area constitutes a sequence.
**Minor hours must total twenty-eight (28) from an approved subject field.

ART COURSES (ART—660)

101—**Drawing I.** Four hours.

A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking.

102—**Drawing II.** Four hours.

Prerequisite: ART 101 or permission of instructor.

A continuation of ART 101.

103—**Drawing III.** Four hours.
Prerequisite: ART 102 or permission of instructor.
A continuation of ART 102.

111—**Design I.** Four hours.
A study of the elements of plastic structure and some principles of ordering them toward expression.

112—**Design II.** Four hours.
Prerequisite: ART 111 or permission of the instructor.
A continuation of ART 111.

113—**Design III.** Four hours.
Prerequisite: ART 112 or permission of the instructor.
A continuation of ART 112.

120—**Theoretical Foundations.** Four hours.
A study of the scope and nature of the plastic expressions with some bases for criticism.

201—**Figure Drawing.** Four hours.
Prerequisite: Permission of the instructor.
Study of the construction and use of the human figure in design. Drawing from the model in various media.

202—**Figure Drawing.** Four hours.
A continuation of ART 201.

203—**Figure Drawing.** Four hours.
A continuation of ART 202.

261—**Graphic Arts.** Four hours.
Prerequisites: ART 103 and 113 or equivalent or permission of the instructor.
A study of design for, and techniques of, the various graphic arts (etching, drypoint, lithograph). Studio problems in some of the above techniques.

305—**Directed Museum and Gallery Tour.** Two hours.
An elective addendum to ART 120. Field trip and tour of a number of gallaries and museums for the viewing of original works.

315—**History of Art.** Four hours.
Pre-historic to medieval. A survey course.

321—**Watercolor Painting.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.

322—**Watercolor Painting.** Four hours.
Prerequisite: ART 321.
Continuation of ART 321 with problems in opaque media.

325—**History of Art.** Four hours.
Medieval to eighteenth century. A survey course.

331—**Oil Painting.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.
Studies in the techniques of oil painting. Color, composition, and surface quality stressed.

332—**Oil Painting.** Four hours.
Prerequisite: ART 331.

Further study in oil techniques. Greater emphasis on subject matter or content.

335—**History of Art.** Four hours.
Eighteenth century through modern. A survey course.

341—**Commercial Art.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.

Recommended for those interested in any form of commercial art. The rendering of objects and materials for commercial presentation.

342—Commercial Art. Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.
Hand and precision lettering, and advertising and show card layout.

343—Commercial Art. Four hours.
Prerequisites: ART 341, 342, or permission of the instructor.

A study of commercial illustrative techniques and their application to a variety of layout problems.

351—Sculpture. Four hours.
Problems in three-dimensional design. Study of forming, assemblage, and casting techniques.

352—Sculpture. Four hours.
Prerequisite: ART 351.
A continuation of ART 351, with emphasis in modeling, direct carving, and metal sculpture.

355—Ceramics I. Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.
The use of ceramic materials as a means of expression. Experiences in hand forming, application of glazes, and firing.

356—Ceramics II. Four hours.
Prerequisite: ART 355.
A continuation of ART 355. Experiences in wheel forming, slip casting, and glazemaking.

362—Graphic Arts. Four hours.
Prerequisite: ART 261.
Further problems in design and production using various graphic media.

370—Illustration. Four hours.
Prerequisites: ART 201 and 103 or permission of instructor.
Practical problems in the illustration of poems and short stories. Black and white and color studies involving the relation of medium and technique to subject.

410—Ancient Art. Four hours.
Prerequisite: ART 315.
The artistic achievements of the ancient world. A careful analysis of important examples correlated with their background.

420—Medieval Art. Four hours.
Prerequisite: ART 325.
A study of the art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century, including Early Christian and Byzantine sources.

423—Watercolor Painting. Four hours.
Advanced study in opaque and transparent watercolor. Experiments with mixed media.

430—Renaissance Art. Four hours.
Prerequisite: ART 325.
The art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

433—Oil Painting. Four hours.
Further study in oils based on experiments in ART 331 and 332 with special emphasis on techniques and specialized subject matter fields.

440—Baroque and Rococo Art. Four hours.
Prerequisites: ART 325 and 335.
The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

441—Advertising Design. Four hours.
Prerequisite: ART 343 or permission of the instructor.
Practical problems in advertising design, with particular attention to modern reproduction methods and preparation of suitable copy.

442—Advertising Design. Four hours.
Prerequisite: ART 441.
A continuation of ART 441 including a study of color separation techniques and typographic experiments.

443—Advertising Design. Four hours.
Prerequisite: ART 442.
A continuation of ART 442, with particular emphasis on professional procedure.

450—Nineteenth Century Art. Four hours.
Prerequisite: ART 335.
An analysis of Neo-Classicism, Romanticism, Realism, and Impressionism.

453—Sculpture. Four hours.
Prerequisite: ART 352.
Individual instruction in advanced sculptural techniques.

457—Ceramics III. Four hours.
Prerequisite: ART 356.
A continuation of ART 356. An application of ceramic techniques to a variety of expressive forms. Further experiments with clay bodies, firing, and glazing.

460—Twentieth Century Art. Four hours.
Prerequisite: ART 335.
An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

463—Graphic Arts. Four hours.
A continuation of ART 362.

470—Painting Project. Four hours.
Prerequisites: ART 433, 423, or permission of instructor.
Full quarter series or unit project in painting involving considerable research. Seminar.

480—Advertising Project. Four hours.
Prerequisite: ART 443 or permission of instructor.
Full quarter series or unit project in advertising design and presentation involving considerable research. Seminar.

493—Three Dimensional Design Project. Four hours.
Prerequisites: ART 453, 457.
Full quarter series or unit project in three dimensional expression involving considerable research. Seminar.

DEPARTMENT OF ART EDUCATION (ARE—665)

William H. Poirier, Chairman
Felty, Harwood, Ryan

The courses in art education are designed to prepare students to meet the requirments for state certification and to give them a practical and theoretical understanding of the area of study. The National Teacher Examinations are required of all candidates for the Art Education degree.

All transfer students are required to submit a portfolio of representative work prior to registration in order to receive advanced standing.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and student committees of the Departments of Art and Art Education.

TEACHER CERTIFICATION CURRICULUM

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 111, 112, 113	4	4	4

ART 120: Theoretical Foundations	4		
History 101, 102		4	4
Physical Education or Military Science	1	1	1
ART 101, 102, 103: Design I, II, III	4	4	4
ART 111, 112, 113: Design I, II, III	4	4	4
	17	17	17

Sophomore

English 210, 215, 219, or 433	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives			4
Psychology 201		4	
Physical Science 104			4
ART 315, 325, 335: Art History	4	4	4
ART 355: Ceramics I	4		
ART 356: Ceramics II		4	
	16	16	16

Junior

Physical Science 105	4		
Biological Science 106, 107		4	4
Public Address 101			4
Health 179			4
Educational Psychology 319	4		
Foundations in Education FED 300			4
ARE 309: Elementary School Art	4		
ARE 310: Public School Art		4	
CIF 451 B: Methods in Art		4	
ART 351: Sculpture I	4		
ART 352: Sculpture II		4	
	16	16	16

Senior

Test and Measurements CIF 469	4		
Human Growth and Development EPY 342 II		4	
Student Teaching CIS 481 B			12
Principles of Teaching in High School CIS 313			4
Art Elective		8	
ARE 412: Crafts	4		
ARE 492: Art Education Project	2	2	
ART 342: Commercial Art	4		
ART 321: Watercolor	4		
ART 331: Oil		4	
	18	18	16

ART EDUCATION COURSES (ARE—665)

107—**Introductory Art.** Four hours.

For non-art majors.

Fundamentals of lettering, drawing, perspective light and shade, color theory, design, and display techniques.

309—**Elementary School Art.** Four hours.

Prerequisite: ARE 107 (elementary education majors). ART 101 and ART 111 (art education majors).

An application of art techniques to the elementary classroom situation through the study of growth patterns, motivation, guidance, and evaluation of class projects.

310—**Public School Art.** Four hours.

Prerequisite: ARE 309.

An application of art techniques to the secondary classroom situation

through the study of growth patterns, unit plans, motivation, guidance, and evaluation of class projects.

392—Special Projects for Teachers I, II. Two hours each.

Prerequisite: ARE 107.

Projects in art and methods of presentation to children in the grades. Need not be taken in sequence.

412—Crafts. Four hours.

Prerequisite: ART 113.

A study of the crafts: dealing with jewelry, enameling, batik, and similar techniques.

492—Art Education Project. Two to four hours.

Prerequisite: ARE 309 and ARE 310.

A research project of considerable scope and depth in the area of specialized art techniques as applied to the classroom situation. Should be repeated to a total of four hours credit by all art education majors.

MUSIC AND MUSIC EDUCATION

The University of Southern Mississippi is a fully accredited member of the National Association of Schools of Music. Requirements for entrance and for graduation are in accordance with the published regulations of this Association.

Entrance examinations in music theory are given all freshman music students. Transfer students are given validation examinations in theory and in their applied areas.

Students desiring to major in music can elect piano, organ, voice, violin, viola, violoncello, string bass, flute, oboe, clarinet, bassoon, French horn, saxophone, baritone, trumpet, trombone, tuba, music history and literature, theory-composition, church music, or vocal or instrumental music education as a major. Any student of the University not registered for a music degree may pursue such courses in music as he wishes if he pays the required fees.

Music majors who have taken music courses under private instruction or in such way as not to receive credit may be excused from required courses in the music curriculum on the basis of tests of proficiency.

Every music major is required to participate in the same major organization for 12 quarters, with the exception of music education majors, who will be excused the quarter of their internship. Departmental approval must be received if the student wishes to change organizations. In addition, the student will be allowed to participate in one other ensemble. Permission for participation in more than two ensembles must be granted by the Dean of the School. Every music major is required to attend weekly recital class each quarter.

The student who wishes to take a Bachelor of Arts or Bachelor of Science degree and minor in music may do so by taking the following distribution of courses:

Music Theory 101, 102, 103	12 hours
Survey of Music Literature 131, 132, 133	6 hours
Conducting 331, 332, 333	3 hours
Piano	6 hours
Voice	3 hours
Instrument Electives	3 hours
Music Electives	9 hours
Total	42 hours

DEPARTMENT OF MUSIC (MUS—675)

David Foltz, Chairman

Andersen, Benner, Donohue, Fitch, A. Gower, Guibbory, Hays, Hill, Huck, Imbragulio, Mannoni, Mullins, Nichols, Nowakowski, Overmyer, Parker, Presser, Shaw, Stocker

APPLIED MUSIC CURRICULA

These curricula provide instruction designed to prepare a student for a career as a professional musician or private teacher. Careful attention is given to the development of technique, interpretation, and musicianship. A broad knowledge of literature and musical styles is emphasized.

Candidates for the degree of Bachelor of Music in applied music must present recitals selected from composers of the classic, romantic, and modern schools of composition in their senior year.

WIND MAJOR

(Leading to the degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 182 or 181	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		
Piano 201-1, 202-1, 203-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 282 or 281	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint, 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Major Wind Instruments	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Band or Orchestra 382 or 381	1	1	1
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Wind Pedagogy 451E, 452E, 453E	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major Instrument	3	3	3
Recital 415			1
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	4
Band or Orchestra 482 or 481	1	1	1
	16	16	16

PIANO MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Piano 101, 102, 103	2	2	2
Orchestra, Band, or Chorus 181, 182, or 183	1	1	1
	18	18	18

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		
Piano 201, 202, 203	2	2	2
Orchestra, Band, or Chorus 281, 282, or 283	1	1	1
	17	17	17

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Piano 301-3, 302-3, 303-3	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Orchestra, Band, or Chorus 381, 382, or 383	1	1	1
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Piano Pedagogy 451B, 452B, 453B	2	2	2
Piano Literature 441B, 442B, 443B	2	2	2
Piano 401, 402, 403	3	3	3
Recital 415			1
Accompanying 475, 476, 477	2	2	2
Electives	4	4	4
Orchestra, Band, or Chorus 481, 482, or 483	1	1	1
	18	18	16

ORGAN MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1

Piano 101-1, 102-1, 103-1	1	1	1
Organ 111-2, 112-2, 113-2	2	2	2
Orchestra, Band or Chorus 181, 182, or 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		
Piano 201-1, 202-1, 203-1	1	1	1
Organ 211-2, 212-2, 213-2	2	2	2
Orchestra, Band, or Chorus 281, 282, or 283	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Organ 311-3, 312-3, 313-3	3	3	3
Recital			0
Italian, French, or German	4	4	4
Orchestra, Band, or Chorus 381, 382, or 383	1	1	1
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Organ Pedagogy 451C, 452C, 453C	2	2	2
Organ Literature 441C, 442C, 443C	2	2	2
Organ 411-3, 412-3, 413-3	3	3	3
Recital 415			1
Electives	4		4
Hymnology 462		4	
Administration of Church Music 463			2
Orchestra, Band or Chorus 481, 482, or 483	1	1	1
	16	16	16

STRING MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory, 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Major Instrument 121-2, 122-2, 123-2	2	2	2
Orchestra or Band 181 or 182	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		

Piano 201-1, 202-1, 203-1	1	1	1
Major String Instrument 221-2, 222-2, 223-2	2	2	2
Orchestra or Band 281 or 282	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Major String Instrument 321-3, 322-3, 323-3	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Orchestra or Band 381 or 382	1	1	1
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
String Pedagogy 451D, 452D, 453D	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major String Instrument 421-3, 422-3, 423-3	3	3	3
Recital 415			1
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	4
Orchestra or Band 481 or 482	1	1	1
	16	16	16

VOICE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Chorus 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Theatre 120, 200	4	4	
Science		4	4
Mathematics 100 or 101	4		
Elective			4
Piano 201-1, 202-1, 203-1	1	1	1
Voice 261-2, 262-2, 263-2	2	2	2
Chorus 283	1	1	1
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2

Opera Workshop 341, 342, 343	2	2	2
Conducting 331, 332, 333	1	1	1
Italian, French, or German	4	4	4
Voice 361-3, 362-3, 363-3	3	3	3
Diction 201, 202, 203	1	1	1
Recital 315			0
Electives	2	2	2
Chorus 383	1	1	1
	18	18	18

Senior

Orchestration 401, 402	3	3	
Opera Workshop 441, 442, 443	2	2	2
Voice Pedagogy 451A, 452A, 453A	2	2	2
Voice Literature 441A, 442A, 443A	2	2	2
Social Science Core Electives	4	4	4
Voice 461-3, 462-3, 463-3	3	3	3
Recital 415			1
Chorus 483	1	1	1
	17	17	15

The Curriculum in Church Music

The curriculum in church music, with either voice or organ as a major, is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full time profession. Special emphasis is placed on literature to be used in the church services. A recital must be presented on the major instrument during the senior year to be a candidate for the degree of Bachelor of Music with church music as the major. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

CHURCH MUSIC MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Applied Music (organ or voice)	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Chorus 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (organ or voice)	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		
Chorus 283	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2

Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Conducting 331, 332, 333	1	1	1
History of Church Music 351, 352, 353	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Pre-Christian History—REL 312	4		
Electives		4	4
Chorus 383	1	1	1
	18	18	18

Senior

Composition 311, 312, 313	2	2	2
Advanced Choral Conducting 431A	2		
Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Liturgies 460	2		
Conducting from the Console 458	2		
Church Music and Materials 459			2
Hymnology 462		4	
Administration of Church Music 463			2
Italian, French, or German	4	4	4
Recital 415			1
Chorus 483	1	1	1
	17	15	16

The Curriculum in Jazz

The curriculum in jazz is intended to provide a thorough course of study which will prepare students to pursue jazz music on a professional level. The student majoring in jazz not only will receive special emphasis in his chosen field, but also will receive a strong foundation in theory and other academic subjects relevant to music and general education.

JAZZ MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Major Instrument	1	1	1
English 111, 112, 113	4	4	4
Mathematics 100 or 101	4		
Science Electives		4	4
Physical Education or Military Science	1	1	1
Orchestra, Band, or Chorus 181, 182, or 183	1	1	1
	18	18	18

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Major Instrument	1	1	1
Social Science Core Electives	4	4	4
Humanities and Fine Arts Electives	4	4	4
Jazz Lab Band 284	1	1	1
Orchestra, Band, or Chorus 281, 282, or 283	1	1	1
	18	18	18

Junior

Orchestration 401, 402	3	3	

Techniques of Scoring for Jazz Ensembles 375			2
Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Major Instrument	2	2	2
Minor Instrument		2	1
Stylistic Developments in Jazz 360	4		
Woodwind Methods 327	2		
String Methods 325		2	
Brass Methods 329			2
Percussion Methods 429			2
Improvisation 367, 368, 369	1	1	1
Jazz Lab Band 384	1	1	1
Orchestra, Band, or Chorus 381, 382, or 383	1	1	1
	18	16	16

Senior

Major Instrument	2	2	2
Conducting 331, 332, 333	1	1	1
Organization and Management of Jazz Ensembles 470			4
Music Literature Electives	4	4	
Advanced Techniques of Scoring for Jazz Ensembles 475, 476, 477	2	2	2
Electives	4	4	4
Improvisation 467, 468, 469	1	1	1
Jazz Lab Band 484	1	1	1
Orchestra, Band, or Chorus 481, 482, or 483	1	1	1
	16	16	16

The Curriculum in Music History and Literature

The curriculum in music history and literature is planned for those who intend to teach on the college level or for those who desire careers in musical journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The major in music literature will receive a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

MUSIC HISTORY AND LITERATURE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Orchestra, Band, or Chorus 181, 182, or 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Mathematics 100 or 101	4		
Science		4	4

Italian, French, or German	4	4	4
Orchestra, Band, or Chorus 281, 282, or 283	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Baroque Music 435	4		
Eighteenth Century Music 436		4	
Nineteenth Century Music 437			4
Conducting 331, 332, 333	1	1	1
Applied Music Elective	2	2	2
History of Church Music 351, 352, 353	2	2	2
Social Science Core Electives	4	4	4
Orchestra, Band, or Chorus 381, 382, or 383	1	1	1
	18	18	18

Senior

Music Literature Electives 441, 442, 443	4	4	4
Orchestration 401, 402	3	3	
History of Opera 431	4		
American Music 432		4	
Twentieth Century Music 433			4
Applied Music Electives	2	2	2
Electives	4	4	4
Orchestra, Band, or Chorus 481, 482, 483	1	1	1
	18	18	15

The Curriculum in Theory-Composition

This course is designed to prepare the student for teaching theory and composition, writing and arranging music of serious intent, and arranging and writing music of a commercial nature. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Musicwriter, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution and promotion of published music.

THEORY—COMPOSITION MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2
English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Physical Education or Military Science	1	1	1
Orchestra, Band, or Chorus 181, 182, or 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Social Science Core Electives	4	4	4
Science		4	4
Mathematics 100 or 101	4		
Orchestra, Band, or Chorus 281, 282, or 283	1	1	1
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 333	2	2	2
Composition 311, 312, 313	2	2	2
Orchestration 401, 402	3	3	
Conducting 331, 332, 333	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Applied Music Electives	1	1	1
Italian, French, or German	4	4	4
Orchestra, Band, or Chorus 381, 382, or 383	1	1	1
	18	18	15

Senior

Advanced Composition 411, 412, 413	2	2	2
Strings Class 455	2		
Woodwinds Class 457		2	
Brass Class 459			2
Percussion Class Methods 429			2
Applied Music Electives	2	2	2
Electives	8	8	4
Music Literature Electives	2	2	2
Orchestra, Band, or Chorus 481, 482, or 483	1	1	1
	17	17	15

MUSIC COURSES (MUS—675)

100—**Introduction to Music Theory.** Four hours.

An introductory course in the fundamentals of music theory. Open to all University students. May not be applied toward a degree in music.

101-102-103—**Music Theory.** Four hours each.

Prerequisite: A knowledge of music notation.

Scales, intervals, and part-writing, using triads, the dominant seventh chord, non-harmonic tones and modulation. Correlated keyboard harmony and dictation. Sight-singing in bass and treble clefs.

131-132-133—**Survey of Music Literature.** Two hours each.

An introductory course dealing with the major areas of music history style periods.

165—**The Enjoyment of Music.** Four hours.

Study of the basic elements of music necessary for intelligent listening and appreciation; survey of the history of music in its social and cultural context.

This course may not be applied toward a Bachelor of Music, Bachelor of Music Education, or a music minor. Music minors are to take MUS 131-132-133 in lieu of this course.

201-202-203—**Advanced Music Theory.** Four hours each.

Prerequisites: MUS 101, 102, 103.

Part-writing, including secondary seventh chords, borrowed chords, altered chords, and foreign modulation. Correlated keyboard harmony, dictation, and sight-singing.

231-232-233—**History of Music.** Two hours each.

Prerequisites: MUS 131, 132, 133 and MUS 101, 102, 103.

Music in Greece and Rome; rise and development of liturgy; the Polyphonic Age; rise of opera, oratorio and concerto; the periods of Bach and Handel, Haydn and Mozart; Beethoven; the Romantic era; rise of contemporary styles; American musical developments.

301-302-303—**Harmonic and Formal Analysis.** Two hours.

Prerequisites: MUS 201, 202, 203.

Music of various periods is analyzed formally, harmonically, and contrapuntally.

311-312-313—Composition. Two hours.
Prerequisites: MUS 301, 302, 303 and MUS 321, 322, 323.
Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publication are included.

321-322-323—Counterpoint. Two hours each.
Prerequisites: MUS 201, 202, 203.
Two, three, and four-voice contrapuntal writing in the style of Palestrina and/or Bach.

351-352-353—History of Church Music. Two hours.
History of Christian Church music, with emphasis on the use of literature; history of organ music with emphasis on its use in the church service; and history of choral music with emphasis on its use in the church service.

360—Stylistic Developments in Jazz. Four hours.
Study of the development of jazz idioms. Includes elements of jazz history leading to study of complex idioms such as electronics, experimentation, and third stream.

375, 376, 377—Techniques of Scoring for Jazz Ensembles. Two hours each.
Study in composing and arranging music for jazz ensembles.

367, 368, 369—Improvisation. One hour each.
Study and performance of jazz improvisation.

401-402—Orchestration. Three hours each.
Prerequisites: MUS 201, 202, 203.
A study of the instruments of the band and orchestra. Scoring for instrumental and vocal combinations.

411-412-413—G411, G412, G413—Advanced Composition. Two hours each.
Prerequisites: MUS 311, 312, 313.
Writing in larger forms for various choral and instrumental combinations.

431-G431—History of Opera. Four hours.
The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432-G432—American Music. Four hours.
A study of the development of music in North America with particular emphasis in three areas: (1) European heritage; (2) jazz; (3) composers of the twentieth century whose idioms evidence strong roots in American culture. Open to non-music majors with consent of instructor.

433-G433—20th Century Music. Four hours.
Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

435-G435—Baroque Music. Four hours.
The development of musical styles and forms from Monteverdi through J. S. Bach.

436-G436—18th Century Music. Four hours.
The development of classical styles and forms, with particular emphasis on **style gallant,** the Mannheim school, **Empfindsamer Stil,** and the Viennese classicists.

437-G437—19th Century Music. Four hours.
The development of musical romanticism, with emphasis on the transformation and expansion of classical forms and the appearance of new formal and stylistic concepts.

441A-442A-443A—G441A, G442A, G443A—Vocal Literature. Two hours each.
Required of all senior voice majors.

441B-442B-443B—G441B, G442B, G443B—Piano Literature. Two hours each.
Required of all senior piano majors.

441C-442C-443C—G441C, G442C, G443C—**Organ Literature.** Two hours each.

Required of all senior organ majors.

441D-442D-443D—G441D, G442D, G443D—**Instrumental Literature.** Two hours each.

Required of all senior instrumental majors.

441E-442E-443E—G441E, G442E, G443E—**Choral Literature.** Two hours each.

A survey of accompanied and unaccompanied choral music from Gregorian chant to the present. Open to non-music majors with consent of instructor.

441F-442F-443F—G441F, G442F, G443F—**Symphonic Literature.** Two hours each.

The history and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

441H-442H-443H—G441H, G442H, G443H—**Chamber Music.** Two hours each.

A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

458—**Conducting from the Console.** Two hours.

A study of techniques required to conduct rehearsals and performances while seated at the organ console.

459—**Church Music and Materials.** Two hours.

A concentrated course in music literature and resources for church use.

460-G460—**Liturgies.** Two hours.

Liturgy in worship; the Jewish and Roman Catholic liturgies and their music; liturgies of the Reformation period; music of the Lutheran, Calvinist, and Anglican churches; music of the non-liturgical churches.

462-G462—**Hymnology.** Four hours.

The history of the Christian hymn from its root to present-day forms.

463-G463—**Administration of Church Music.** Two hours.

Practical aspects of church music are presented in this course, such as: building a church library, organizing and directing the various choirs of the church, the volunteer choir system, directing from the console, etc.

467, 468, 469—**Improvisation.** One hour each.

470—**Organization and Management of Jazz Ensembles.** Four hours.

Studies in general management of commercial and academically oriented jazz groups, availability of arrangements and compositions, copyright laws, contracts, and rehearsal techniques.

475, 476, 477—**Advanced Techniques of Scoring for Jazz Ensembles.** Two hours each.

DEPARTMENT OF MUSIC EDUCATION (MED—680)

William Gower, Chairman

Boushell, Carnovale, Collings, Dennis, Donovan, Greeson, Guilbeau, Haynie, Hong, Jerome, Johnston, Jones, Keck, Lebsack Madsen, Mason, Munsell, Pound, Prenshaw, Saetre, Young, Zahrt

The courses in music education are designed to give thorough and practical training in music pedagogy, as well as the preparation in practical and theoretical music, psychology, education, and cultural subjects necessary for a music specialist of broad background. The National Teacher Examinations are required of all candidates for Music Education degrees. The following curricula are planned to meet the demands of modern music education.

MUSIC EDUCATION MAJOR
Keyboard or Voice Major
General Supervisor
(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Applied Music (piano* or voice)	2	2	2
Minor Applied Music (piano or voice)	1	1	1
English 111, 112, 113	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education or Military Science	1	1	1
Chorus 183	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (piano* or voice)	2	2	2
Minor Applied Music (piano or voice)	1	1	1
English Elective	4		
Mathematics 100 or 101		4	
Psychology 201			4
Physical Science I, FS 104	4		
Physical Science II, FS 105		4	
Biological Science I, FS 106			4
Chorus 283	1	1	1
	18	18	18

*A student who wishes to use organ as his major instrument will take one hour of piano and one hour of organ each quarter.

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Major Applied Music (piano or organ, or voice)	2	2	2
Minor Applied Music (piano or voice)	2	2	2
Conducting 331, 332, 333	1	1	1
Biological Science II, FS 107	4		
Social Studies Core Elective		4	
Health 179			4
Educational Psychology 319	4		
Psychology of Human Growth & Development—EPY 332 or 316		4	
Brass Methods 459			2
Opera Workshop 343			2
Chorus 383	1	1	1
	18	18	18

Senior

Orchestration 401, 402	3	3	
Senior High School Music Methods 421	2		
Senior H.S. Choral Methods & Literature 422A		2	
Curriculum Problems in Music Education 423A		2	
String Class 455	2		
Woodwinds Class 457		2	
Opera Workshop 441	2		

Major Applied Music (piano or organ, or voice)	3	3	
Minor Applied Music (piano or voice)	1	1	
Advanced Choral Conducting 431A		2	
Public Address 101	4		
Principles of Teaching in High School—CIS 313			4
Student Teaching—CIS 481S			12
Chorus 483	1	1	0
	18	16	16

MUSIC EDUCATION MAJOR

Instrumental Supervisor

(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Instrument	1	1	1
*Piano 101-1, 102-1, 103-1	1	1	1
English 111, 112, 113	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education or Military Science	1	1	1
Band or Orchestra 182 or 181	1	1	1
	18	18	18

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Instrument	1	1	1
*Piano 201-1, 202-1, 203-1	1	1	1
English Elective	4		
Mathematics 100 or 101		4	
Psyschology 201			4
Physical Science I, FS 104	4		
Physical Science II, FS 105		4	
Biological Science I, FS 106			4
Band or Orchestra 282 or 281	1	1	1
	17	17	17

*A pianist who elects the instrumental supervision curriculum must substitute six hours in private study of appropriate instruments.

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Woodwind Methods 327	2		
String Methods 325		2	
Advanced String Methods 425			2
Percussion Methods 429			2
Brass Methods 329			2
Conducting 331, 332, 333	1	1	1
Major Instrument	2	2	2
**Minor Instrument	1	1	1
Biological Science II, FS 107	4		
Social Studies Core Elective		4	
Health 179			4
Educational Psychology 319	4		
Human Growth & Development—EPY 332		4	
Band or Orchestra 382 or 381	1	1	1
	19	19	19

Senior

Orchestration 401, 402	3	3	
Senior High Methods 421	2		
Senior High Instrumental Methods 422B		2	
Organization & Administration of School Orch. & Bands 423B		2	
Advanced Wind Methods 427		2	
Voice Class 301, 302	3	3	
Major Instrument	3	3	
**Minor Instrument	1	1	
Advanced Instrumental Conducting 431B		2	
Public Address 101	4		
Principles of Teaching in High School—CIS 313			4
Student Teaching—CIS 481S			12
Band or Orchestra 482 or 481	1	1	0
	17	18	16

**An instrumental education major is required to study two minor instruments. One is to be a stringed instrument, the other a wind instrument selected from the family (woodwinds or brass) other than that of his major instrument. Percussion majors will select a stringed instrument and either a brass or woodwind.

MUSIC EDUCATION COURSES (MED—680)

201-202-203—**Diction.** One hour each.
Prerequisite: Freshman Voice.
The correct use and pronunciation of English, French, Italian, and German as applied to vocal literature.

301-302—**Voice Class.** Three hours each.
A course designed to give a general knowledge of the principles of good singing. Primarily for instrumental and piano majors, but open to non-music majors with consent of instructor.

311—**Elementary Music Methods.** Two hours. Fall.
This course covers those areas essential to the music specialist who will teach in the elementary grades—including rhythmic, listening, singing, and instrumental activities—with emphasis on primary grades one, two, and three.

312—**Intermediate Music Methods.** Two hours. Winter.
A continuation of MED 311, stressing intermediate grades four, five, and six.

313—**Junior High School Methods.** Two hours. Spring.
Materials and methods appropriate for seventh, eighth, and ninth grades; continuation of part-singing; the adolescent voice; choral and instrumental activities; general music classes; materials suitable for junior high school students.

325—**Strings Methods.** Two hours.
Practical class instruction on violin, viola, violoncello, and string bass; correct playing position for each instrument; problems of beginning string students; materials for public school classes.

327—**Woodwinds Methods.** Two hours.
Practical class instruction on clarinet, flute, oboe, bassoon, and saxophone; basic embouchure and fingering problems; adjusting reeds; materials appropriate for use in public schools.

329—**Brass Methods.** Two hours. Spring.
Class instruction of a practical nature on trumpet, French horn, baritone, trombone, and tuba; problems of beginning brass students; examination of materials suitable for public use.

331-332-333—**Conducting.** One hour each.
Prerequisites: MUS 201, 202, 203, or consent of instructor.
Techniques of choral and instrumental conducting.

341-342-343—**Opera Workshop.** Two hours each.

An introduction to opera as a performing art. Acting and interpretative techniques for singers; participation in musical productions. Required of all junior voice majors. Open to any University student by permission of instructor.

361—**Music for Elementary Teachers I.** Four hours.

A laboratory course, designed to provide students with a basic knowledge of principles of notation, basic rhythmics, singing, reading of music, and the use of the autoharp and piano as accompaniment instruments. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

362—**Music for Elementary Teachers II.** Four hours.

Prerequisite: MED 361.

Application of the fundamental skills of MED 361 in the study and selection of music materials and methods of presentation for the elementary school. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

382—**Recreational Music.** Four hours. Winter.

Prerequisites: MED 361 or consent of instructor based upon a successful proficiency examination.

Materials and techniques useful in developing recreational music activities including vocal and instrumental ensembles, rhythm bands, musical games, and community singing.

390A, 391A, 392A—**Piano Workshop.** One and one-half hours each.

A course designed to meet the needs of the piano teacher, including a survey of standard materials together with a presentation of modern teaching methods. Each year the workshop utilizes the services of a nationally known guest consultant and lecturer.

390B, 391B, 392B—**Instrumental Workshop.** One and one-half hours each.

A survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion with nationally recognized authorities in the field of instrumental music education.

390C, 391C, 392C—**Choral Workshop.** One and one-half hours each.

An examination, study, and analysis of choral techniques and procedures. A thorough study of literature in chronological order from early classics through modern and new publications. Organized and designed to meet the need of teachers now actively participating in professional work or anticipating entering the profession immediately.

390E, 391E, 392E—**Elementary Music Workshop.** One and one-half hours each.

Intensive examination of current problems, trends, and materials in the field of elementary music education, with outstanding guest consultants leading the lecture, discussion, and demonstration sessions.

421—**Senior High Methods.** Two hours. Fall.

Prerequisites: MED 311, 312, 313.

Organization and administration of music in the high school; visual aids, elective music classes, concerts and festivals, tests and measurements; development of public school music in the United States; current philosophies of music education.

422A—**Senior High Methods; Choral.** Two hours. Winter.

Prerequisite: MED 421.

Organization and administration of choral activities, voice class, small ensembles, boys glee club, girls glee club, chorus, public performances, and rehearsal techniques; materials for high school use.

422B—**Senior High Methods: Instrumental.** Two hours. Winter.
Prerequisite: MED 421.

Preparation for dealing with problems of rehearsal, instrumental ensembles, program building, evaluation of materials, and public performances.

423A-G423A—**Curriculum Problems in Music Education.** Two hours. Spring.

Intensive investigation of current values and trends in music education in America.

423B-G423B—**Organization & Administration of School Orchestras and Bands.** Two hours. Spring.

Techniques of developing and maintaining successful orchestra, bands, and instrumental ensembles; research by students; emphasis on problems of marching bands and pageantry.

424—**Instrument Repair.** Two hours.

A study of the techniques and materials necessary to perform minor repairs and adjustments on woodwind, brass, and stringed instruments.

425-G425—**Advanced Strings Methods.** Two hours each.

427-G427—**Advanced Winds Methods.** Two hours each.
Prerequisites: MED 327 and 329.
A study of basic and advanced techniques in the pedagogy of all major woodwind and brass instruments, with emphasis upon tone production.

429-G429—**Percussion Methods.** Two hours each.
Percussion texts, techniques, and pedagogy; includes presentations of snare drum, bass drum, timpani, cymbals, mallet keyboards, and accessory equipment.

431A—**Advanced Choral Conducting.** Two hours.
Prerequisites: MED 331, 332, 333 and two years of voice.
Conducting and interpretation of representative works of the great choral schools and composers since the sixteenth century; opportunities for the formation of judgment of choral music. Church chorus and sacred music studied in fall quarter.

431B—**Advanced Instrumental Conducting.** Two hours.
Prerequisites: MED 331, 332, 333, and MUS 301, 302, 303.

441-442-443—**Opera Workshop.** Two hours each.
A continuation of MED 341, 342, 343. Required of all senior voice majors.

451A-452A-453A—**Vocal Pedagogy.** Two hours each.
Comparison of pedagogical concepts; study of vocal production problems and anatomy of the vocal tract.

451B-452B-453B—**Piano Pedagogy.** Two hours each.
Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults.

451C-452C-453C—**Organ Pedagogy.** Two hours each. Required of all senior organ majors.

451D-452D-453D—**String Pedagogy.** Two hours each.
Required of all senior string majors.

451E, 452E, 453E—**Wind Pedagogy.** Two hours each.
Required of all senior wind majors.

455—**Strings Class.** Two hours.
Practical string instruction on violin, viola, violoncello, and double bass; correct playing position for each instrument; materials for public school purposes. For music students not following the curriculum in instrumental supervision.

457—**Woodwinds Class.** Two hours.
Woodwind instruction of a practical nature on clarinet, flute, oboe, bassoon, and saxophone; advanced techniques and materials for public school purposes. For music students not following the curriculum in instrumental supervision.

459—**Brass Class.** Two hours.
Practical instruction on trumpet, French horn, baritone, trombone, and tuba. For music students not following the curriculum in instrumental supervision.

463—**Principles of Music in Action.** 4 hours. Winter and Summer.
Prerequisite: MED 362.
A further refinement in music skills designed specifically for the minor in fine arts for elementary teachers. A laboratory course in basic theory, keyboard, conducting, rhythmics, class instruments, and creative listening. May not be applied toward the Bachelor of Music or the Bachelor of Music Education degree.

490A, 491A, 492A—G490A, G491A, G492A—**Piano Workshop.** One and one-half hours each.
A continuation of MED 390A, 391A, 392A.
490B, 491B, 492B—G490B, G491B, G492B—**Instrumental Workshop.** One and one-half hours each.
A continuation of MED 390B, 391B, 392B.

490C, 491C, 492C—G490C, G491C, G492C—**Choral Workshop.** One and one-half hours each.
A continuation of MED 390C, 391C, 392C.

490E, 491E, 492E—G490E, G491E, G492E—**Elementary Music Workshop.** One and one-half hours each.
A continuation of MED 390E, 391E, 392E.

APPLIED MUSIC AND ORGANIZATIONS (APM)

First Year

101-102-103	Piano	1-3 Hrs. Each
111-112-113	Organ	1-3 Hrs. Each
121-122-123	Strings	1-3 Hrs. Each
131-132-133	Woodwinds	1-3 Hrs. Each
141-142-143	Brass	1-3 Hrs. Each
151-152-153	Percussion	1-3 Hrs. Each
161-162-163	Voice	1-3 Hrs. Each
171-172-173	Ensemble	1 Hr. Each

181—**Orchestra.** One hour.
May be taken three times.

182—**Band.** One hour.
May be taken three times.

183—**Chorus.** One hour.
May be taken three times.

184—**Jazz Lab Band.** One hour.
May be taken three times.

Second Year

201-202-203	Piano	1-3 Hrs. Each
211-212-213	Organ	1-3 Hrs. Each
221-222-223	Strings	1-3 Hrs. Each
231-232-233	Woodwinds	1-3 Hrs. Each
241-242-243	Brass	1-3 Hrs. Each
251-252-253	Percussion	1-3 Hrs. Each
261-262-263	Voice	1-3 Hrs. Each
271-272-273	Ensemble	1 Hr. Each

281—**Orchestra.** One hour.
May be taken three times.

282—**Band.** One hour.
May be taken three times.

283—**Chorus.** One hour.
May be taken three times.

284—**Jazz Lab Band.** One hour.
May be taken three times.

Third Year

301-302-303	Piano	1-4 Hrs. Each
311-312-313	Organ	1-4 Hrs. Each
321-322-323	Strings	1-4 Hrs. Each
331-332-333	Woodwinds	1-4 Hrs. Each
341-342-343	Brass	1-4 Hrs. Each
351-352-353	Percussion	1-4 Hrs. Each
361-362-363	Voice	1-4 Hrs. Each
371-372-373	Ensemble	1 Hr. Each
315	Recital	0 Hrs.

381—**Orchestra.** One hour.
May be taken three times.

382—**Band.** One hour.
May be taken three times.

383—**Chorus.** One hour.
May be taken three times.

384—**Jazz Lab Band.** One hour.
May be taken three times.

Fourth Year

401-402-403	Piano	1-4 Hrs. Each
411-412-413	Organ	1-4 Hrs. Each
421-422-423	Strings	1-4 Hrs. Each
431-432-433	Woodwinds	1-4 Hrs. Each
441-442-443	Brass	1-4 Hrs. Each
451-452-453	Percussion	1-4 Hrs. Each
461-462-463	Voice	1-4 Hrs. Each
471-472-473	Ensemble	1 Hr. Each
475-476-477	Accompanying	2 Hrs. Each
415—Recital.		1-3 Hrs.

481—**Orchestra.** One hour.
May be taken three times.

482—**Band.** One hour.
May be taken three times.

483—**Chorus.** One hour.
May be taken three times.

484—**Jazz Lab Band.** One hour.
May be taken three times.

DEPARTMENT OF THEATRE ARTS (THE—685)

I. Blaine Quarnstrom, Chairman
Crook, Hartwig, Hill, Mesrobian, Trokel

Students choosing to major in theatre should select one of the three programs presented below.

1. The Bachelor of Fine Arts degree is recommended for students planning

careers in acting, directing, or costume and scenery design. A student seeking the B.F.A. should choose electives (with the help of his adviser) from art, music, dance and English literature. It is recommended that students whose interests lie in theatre design register for at least one class in general drawing and in addition ART 111, 112, and 113.

2. The student whose major interest is the History and Criticism of Theatre, or who plans to pursue doctoral studies, should seek the Bachelor of Arts degree. It is recommended that the student working toward this degree choose English literature as a minor.

3. The Bachelor of Fine Arts Teacher Certification Program is recommended for students who wish to teach at the secondary school level. These students will choose their electives from the Department of Communication or the Department of English. The Department will assist the student in planning his courses.

A minor program is available in theatre. The Department will cooperate with the student's major professor in planning the appropriate courses.

For information concerning the Master's degree consult the **Graduate Bulletin.**

DANCE MAJOR

(Leading to the degree of Bachelor of Arts)

Freshman

English 111, 112, 113	4	4	4
Music Theory 100 or 101	4		
Mathematics 100 or 101		4	
Music Analysis for Dance 160			4
Piano 101, 102, 103	1	1	1
Survey of Music Literature 131, 132, 133	2	2	2
Modern Dance Techniques and Composition 150, 151, 152	2	2	2
History 101, 102	4	4	
Social Science Elective			4
Voice 161, 162, 163	1	1	1
	18	18	18

Sophomore

Fundamentals of Acting 120	4		
Social Science Electives		4	4
History of Dance 270, 271	4	4	
Dance Notation 260			4
Piano 201, 202, 203	1	1	1
Voice 261, 262, 263	1	1	1
Music History 231, 232, 233	2	2	2
Ballet Techniques and Composition 250, 251, 252	2	2	2
Biology 101, 102	4	4	
ARE 107			4
	18	18	18

Junior

Stagecraft 200	4		
Scene Design 306		4	
Stage Makeup 204			2
Public Address 101			4
History of Art 335	4		
History of Theatre 428 or 429		4	
Methods of Teaching Dance 370, 371, 372	4	4	4
HTH 380—Anatomical Structures Related to Movement			4
Dance Workshop 350, 351, 352	2	2	2
PE 341—Square Dancing	1		

PE 342—Folk, Contra, and Round Dances	1		
PE 371—Social Dancing		1	
PE 394—Tap I		1	
	16	16	16

Senior

Stage Lighting 412	4		
Dance Workshop 460, 461	2	2	
Senior Dance Project 470			4
HTH 482—Kinesiology	4		
PE 390—Modern Jazz I	1		
History and Design of Costumes 401			4
Humanities Elective		4	
Electives	4	10	8
	15	16	16

DANCE MAJOR

(Leading to the Degree of Bachelor of Fine Arts)

Freshman

English 111, 112, 113	4	4	4
Music Theory 100 or 101	4		
Mathematics 100 or 101		4	
Music Analysis for Dance 160			4
Piano 101, 102, 103	1	1	1
Survey of Music Literature 131, 132, 133	2	2	2
Modern Dance Techniques and Composition 150, 151, 152	2	2	2
History 101, 102	4	4	
Social Science Elective			4
Voice 161, 162, 163	1	1	1
	18	18	18

Sophomore

Fundamentals of Acting 120	4		
Social Science Electives		4	4
History of Dance 270, 271	4	4	
Dance Notation 260			4
Piano 201, 202, 203	1	1	1
Voice 261, 262, 263	1	1	1
Music History 231, 232, 233	2	2	2
Ballet Techniques and Composition 250, 251, 252	2	2	2
Biology 101, 102	4	4	
ARE 107			4
	18	18	18

Junior

Stagecraft 200	4		
Scene Design 306		4	
Stage Makeup 204			2
Public Address 101			4
History of Art 335	4		
History of Theatre 428 or 429		4	
Methods of Teaching Dance 370, 371, 372	4	4	4
HTH 380—Anatomical Structures Related to Movement			4
Dance Workshop 350, 351, 352	2	2	2
PE 341—Square Dancing	1		
PE 342—Folk, Contra, and Round Dances	1		
PE 371—Social Dancing		1	
PE 394—Tap I		1	
	16	16	16

Senior

Stage Lighting 412	4		
Dance Workshop 460, 461	2	2	
Senior Dance Project 470			4
HTH 482—Kinesiology	4		
PE 390—Modern Jazz I	1		
History and Design of Costumes 401			4
Foreign Language	4	4	4
Electives		10	
	15	16	16

THEATRE MAJOR

(Leading to the Degree of Bachelor of Arts)

Freshman Year

English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Theatre 103—Introduction to Theatre	4		
Theatre 111—Fundamentals of Oral Interpretation		4	
Theatre 120—Fundamentals of Acting			4
Theatre 100, 101, 102—University Theatre	1	1	1
Public Address 230	4		
Mathematics		4	
Physical Education or Military Science	1	1	1
Elective			4
	18	18	18

Sophomore Year

Science Elective	4	4	
Social Science Core Electives	4	4	4
Foreign Language	4	4	4
Theatre 200—Stagecraft	4		
Theatre 204—Makeup			2
Theatre 220, 221, 222—University Theatre	1	1	1
Electives—Minor		4	4
	17	17	15

Junior Year

Foreign Language	4	4	4
Theatre 301—Advanced Oral Interpretation	4		
Theatre 320—Directing		4	
Theatre 306—Scene Design		4	
Theatre 330, 331, 332—University Theatre	1	1	1
Electives—Minor	8	4	12
	17	17	17

Senior Year

Theatre 427, 428, 429—Theatre History	4	4	4
Theatre 417—Advanced Acting		4	
Theatre 420—Adv. Theo. Stage Directing			4
Theatre 401—History and Design of Costumes			4
Theatre 412—Stage Lighting	4		
Theatre 425—Lyric Theatre			4
Theatre 450, 451, 452—University Theatre	1	1	1
Electives—Minor	8	8	
	17	17	17

THEATRE MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman Year

English 111, 112, 113	4	4	4
Humanities and Fine Arts Core Electives	4	4	4
Theatre 103—Introduction to Theatre	4		
Theatre 111—Fundamentals of Oral Interpretation		4	
Theatre 120—Fundamentals of Acting			4
Theatre 100, 101, 102—University Theatre	1	1	1
Public Address 230	4		
Mathematics		4	
Physical Education or Military Science	1	1	1
Elective			4
	18	18	18

Sophomore Year

Science Elective	4	4	
Social Science Core Electives	4	4	4
Theatre 200—Stagecraft	4		
Theatre 204—Makeup			2
Theatre 220, 221, 222—University Theatre	1	1	1
Electives	4	8	8
	17	17	15

Junior Year

Theatre 306—Scene Design		4	
Theatre 301—Advanced Oral Interpretation	4		
Theatre 330, 331, 332—University Theatre	1	1	1
Theatre 427, 428, 429—Theatre History	4	4	4
Theatre 320—Directing		4	
Electives	8	4	12
	17	17	17

Senior Year

Theatre 492—Problems in Theatre I, II	2	2	
Theatre 420—Adv. Theo. Stage Directing			4
Theatre 401—History and Design of Costumes			4
Theatre 412—Stage Lighting	4		
Theatre 417—Advanced Acting		4	
Theatre 425—Lyric Theatre			4
Theatre 450, 451, 452—University Theatre	1	1	1
Electives	8	8	4
	15	15	17

TEACHER CERTIFICATION MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman Year

English 111, 112, 113	4	4	4
History 101, 102	4	4	
Political Science 101			4
Theatre 103—Introduction to Theatre	4		
Theatre 111—Fundamentals of Oral Interpretation		4	
Theatre 120—Fundamentals of Acting			4
Theatre 100, 101, 102—University Theatre	1	1	1
Public Address 230	4		
Allied Arts 100		4	
Mathematics			4
Physical Education or Military Science	1	1	1
	18	18	18

Sophomore Year

English	4	4	
Psychology 201		4	
Social Science Core Electives		4	4
Fundamentals of Science 104, 105, 106	4	4	4
Health 179			4
Public Address 101			4
Theatre 200—Stagecraft	4		
Theatre 220, 221, 222—University Theatre	1	1	1
Electives	4		
	17	17	17

Junior Year

Fundamentals of Science 107	4		
Foundations of Education 300	4		
Educational Psychology 319		4	
Human Growth and Development 332			4
Theatre 204—Makeup			2
Theatre 301—Advanced Oral Interpretation	4		
Theatre 320—Directing		4	
Theatre 330, 331—University Theatre	1	1	
Theatre 427, 428, 429—Theatre History	4	4	4
Theatre 401—History and Design of Costumes			4
Elective		4	4
	17	17	17

Senior Year

Test and Measurements 469	4		
Social Science Core Elective		4	
Principles of Teaching in High School CIS 313			4
Student Teaching CIS 481H or 481M			12
Methods of Teaching (Speech or English) CIS 451H or 451M	4		
Theatre 412—Stage Lighting	4		
Theatre 450, 451—University Theatre	1	1	
Electives	4	12	
	17	17	16

THEATRE ARTS COURSES (THE—685)

100-101-102—**University Theatre.** One hour each.

Participation in the major theatrical productions of the Department.

103—**Introduction to Theatre.** Four hours.

A study of the planning processes in theatrical creation. Detailed consideration of the dramatic text is related to the work of the director, designer, and actor to provide a common basis for all theatre discipline.

111—**Fundamentals of Oral Interpretation.** Four hours.

General education approach to the art as a means of communicating literary content. Emphasis on the increased understanding and appreciation of individual prose, poetic, and dramatic selections when shared by oral reader and audience.

120—**Fundamentals of Acting.** Four hours.

The development of the actor's technique.

150, 151, 152—**Modern Dance Techniques and Composition I, II, III.** Two hours each.

Discussion and practices of movement patterns, improvisation, and studies in modern dance.

160—**Music Analysis for Dance.** Four hours.

Prerequisite: MUS 100 or 101.

200—**Stagecraft.** Four hours.
Both study and practical application of the techniques of building and painting stage scenery and properties.

204—**Stage Makeup.** Two hours.
Prerequisite: Consent of instructor.
Techniques of using stage makeup in the various styles and designs of theatrical presentations.

220-221-222—**University Theatre.** One hour each.
Participation in the major theatrical productions of the Department.

250, 251, 252—**Ballet Techniques and Composition I. II. III.** Two hours each.
Discussion and practice of movement patterns, improvisation, and studies in ballet.

260—**Dance Notation.** Four hours.
A study of the problems and techniques of recording movement in space and time.

270—**History of Dance: Primitive to Romantic.** Four hours.
A study of the evolution of dance as an art form from primitive cultures to the Romantic period.

271—**History of Dance: Romantic through Contemporary.** Four hours.
A continuation of the study of the evolution of the art of dance from the Romantic period through contemporary times.

301—**Advanced Oral Interpretation.** Four hours.
Prerequisite: THE 111.
Theories and problems of presenting prose, poetry, and drama in solo and group performances. Concentrated consideration will be given to group interpretative reading variously called "reader's theatre," "chamber theatre," "interpreter's theatre," "concert reading," and "platform reading."

306—**Scene Design.** Four hours.
Prerequisite: THE 200 or consent of instructor.
Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

320—**Directing.** Four hours.
Prerequisites: THE 120 and 200.
Principles of stage directing.

330-331-332—**University Theatre.** One hour each.
Participation in the major theatrical productions of the Department.

350, 351, 352—**Dance Workshop I, II, III.** Two hours each.
A study of choreography and the interrelationships of theatrical elements such as costume, staging, etc., which comprise the dance enterprise.

360—**Oriental Theatre.** Four hours. (Fall Quarter 1970-71 only.)
A historical survey of the Oriental theatre, focusing particularly on the Japanese No, Kabuki, and Bunraku theatre. Students will meet for two weeks of concentrated study prior to departing on an eight-week tour of the Orient. The students will have a one-week delay enroute to Tokyo and Osaka, during which time they will see performances of the theatre they will be studying.

370, 371, 372—**Methods of Teaching Dance I, II, III.** Four hours each.
A study of the principles of teaching dance, and the objectives of dance as they relate to education. Includes observation and supervised teaching experiences.

401-G401—**History and Design of Costumes.** Four hours.
Prerequisite: Consent of instructor.
Study of both historical and contemporary costume designs and their methods of construction for theatrical presentations.

412-G412—**Stage Lighting.** Four hours.
Prerequisite: Consent of instructor.

Theory and application of general and special lighting, color, instrumentation, and control.

416-G416—**Playwrighting.** Four hours.
Prerequisite: Consent of instructor.
Study and research in the elements of play structuring culminating in an original one-act play.

417-G417—**Advanced Acting.** Four hours.
Advanced theory and technique with emphasis on presentational styles.

420-G420—**Advanced Theory of Stage Directing.** Four hours.
Prerequisite: THE 320

421-G421, 422-G422—**History of the American Theatre.** Four hours each.
The development of the American theatre and its literature from colonial times to the present.

425-G425—**Lyric Theatre.** Four hours.
Study of musical theatres and their literatures, together with an analysis of the various uses of music in theatrical presentation.

427-G427, 428-G428, 429-G429—**History of European Theatre.** Four hours each.
Study of the development of European theatres and their literatures from the time of early Egypt to the present.

430-G430, 431-G431—**Summer Theatre I, II.** Four hours each.
Prerequisite: Consent of staff.
An eight-week program covering all phases of theatre production.

435-G435—**Advanced Scene Design.** Four hours.
Prerequisite: THE 306 or consent of instructor.
The techniques of scene design as applied to non-realistic stage settings.

446—**Experimental Theatre.** Four hours.
A study of new forms in theatre such as happenings, antitheatre, nonverbal presentations, and others applicable to theatre in the university context. This may or may not culminate in a production.

450-451-452—**University Theatre.** One hour each.
Participation in the major theatrical productions of the department.

460, 461—**Dance Workshop IV, V.** Two hours each.
Includes analyzation of dance films, shows, and concerts, along with a combination of all aspects of dance production.

470—**Senior Dance Project.** Four hours.
A full quarter project involving research and demonstration in one or more areas of dance.

480—**Directing Children's Theatre.** Four hours.
The techniques of directing, organizing, and administering a children's theatre program in all phases of application. Laboratory work will include producing a full-length play for public presentation.

490—**Theatre Workshop.** Four hours.
Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492—**Problems in Theatre I, II.** Two hours each.
Prerequisite: Consent of instructor.
Special research study.

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

William Theodore Schmidt, Dean

ORGANIZATION

The School of Health, Physical Education, and Recreation is organized into three departments: Health, Physical Education, and Recreation. The School offers a Bachelor of Science Degree in several fields of specialization administered by the departments of the School. See departmental offerings for major and minor requirements. Departmental advisers will assist in the task of selecting courses appropriate to the student's field of interest. Consult the **Graduate Bulletin** for post-baccalaureate programs.

PURPOSE

The primary purpose of the School of Health, Physical Education, and Recreation is to educate future leaders in the broad fields of health, physical education, and recreation. In addition, the School provides opportunities for all members of the University to participate in programs or elective courses which will contribute to their education, health, and general well-being.

REQUIREMENTS

Students may be admitted to the School of Health, Physical Education, and Recreation as soon as they have successfully completed the Basic College General Core Curriculum.

Students admitted to the School of Health, Physical Education, and Recreation are required to enroll in a major program in the specialized fields administered by the academic departments of the School.

Students admitted to the School of Health, Physical Education, and Recreation are encouraged to complete a minor program in a field of their choice.

Students seeking a minor in the School of Health, Physical Education, and Recreation are expected to complete a minor (28 hours) program in one of the specialized fields administered by the academic departments of the School.

Students admitted to the School of Health, Physical Education, and Recreation are especially encouraged to supplement their chosen training program by taking a selection of courses which will help them develop their community leadership potential. These might include courses in public address, communication, creative and professional writing, management, and human relations.

Students admitted to the School of Health, Physical Education, and Recreation who plan to seek teacher certification must have their professional program approved by the Dean of the College of Education and Psychology.

Physical education activity courses are required of all students during the freshman year. Students who complete Military Science I are excused from this requirement. Marching Band members (Fall Quarter), Dixie Darlings (Fall Quarter), and Pom Pon Girls (Winter Quarter) will be excused from this requirement during one quarter each year of participation. Varsity athletes will be excused from this requirement while participating in varsity sports. Students are required to have uniforms as designated by the Physical Education Department.

The School of Health, Physical Education, and Recreation recognizes the importance of the contribution made to its educational programs by junior college graduates and is striving to align its upper division programs with the junior colleges' curricula in order to facilitate student transition. Students planning to enter the School of Health, Physical Education, and Recreation after graduation from junior college can also assist by completing junior college courses which are prerequisites for entry into the upper division programs. More detailed guidance can be obtained by contacting:

The Dean, School of Health, Physical Education, and Recreation
University of Southern Mississippi
Southern Station, Box 5142
Hattiesburg, Mississippi 39401

In order to be granted a degree from the School of Health, Physcial Education, and Recreation, students must satisfy all other pertinent requirements specified in this catalog.

DEPARTMENT OF HEALTH (HTH—715)

James R. Switzer, Acting Chairman

M. Brown, Fagerberg, Martin, McCarver, Townsend, Webb, Yarrow

The Health Education Department administers four educational programs. These programs are designed to meet the following objectives:

1. To train health and physical education teachers for secondary schools.
2. To offer a minor field of training in health and physical education with emphasis in health to students majoring in other fields.
3. To provide specialized training for certification in driver education.
4. To provide specialized training for certification in general and instructor's first aid.

HTH PROGRAM 1—**A Major Program for the Bachelor of Science Professional Degree in Health and Physical Education**

The purpose of this program is to train students to teach health and physical education subjects in secondary schools.

The program requires a total of sixty (60) quarter hours in the major field areas: forty (40) in health education courses, and twenty (20) hours in physical education courses. Students must also successfully complete the professional requirements in secondary education; the general education requirements for secondary teachers, and the secondary teachers certification program (for details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog).

Courses required by the Departments of Health and Physical Education are listed below:

HEALTH: 333, 335, 343, 380, 425, 455, 483, and 485.

PHYSICAL EDUCATION: 379, 409, 410.
for Men: 405, 406.
for Women: 314, 400.

Electives may be selected in order to complete a total of 192 hours.

HTH PROGRAM 2—**A Minor Program in Health Education**

The purpose of this program is to recommend a minor in health education with emphasis in health. This minor may be obtained by completing the following requirements:

HEALTH: 179, 333, 335, 425, 437, 485, and electives to equal twenty-eight (28) hours in health.

HTH PROGRAM 3—**A Certification Program in Safety and Driver Education**

The purpose of this program is to train students to teach safety and driver education courses in secondary schools. Professional certification for secondary schools can be obtained by completing the courses listed below:

HEALTH: 333, 335 343, 437, 453, and 456

HTH PROGRAM 4—**Certification Programs in First Aid**

The purpose of these programs is to train students to meet American Red Cross certification requirements.

PROGRAM 4A—HTH 333—**First Aid Certificate.** Issued by the University of Southern Mississippi for the American Red Cross upon successful completion of the standard first aid course.

PROGRAM 4B—HTH 333 and 343—**First Aid Instructor's Certificate.** Issued by the University of Southern Mississippi for the American Red Cross on

completion of requirements for the standard first aid certificate (HTH 333) and the advanced and instructor first aid course (HTH 343).

HEALTH COURSES (HTH—715)

Health Education

127—**Community Health.** Four hours.
Community control of environmental health hazards; community control of disease; health agencies.

179—**Personal Health.** Four hours.
The human body and its function as related to problems of health and disease.

333—**First Aid.** Two hours.
Standard first aid as approved by the American Red Cross. Emphasis on preparing students in the knowledge and skills needed in preventing accidents as well as rendering first aid to the victim of accidents and sudden illness.

343—**Advanced and Instructor First Aid.** Two hours.
Prerequisite: HTH 333.
An advanced study certifying personnel to conduct first aid courses in schools and community; new methods of civil defense.

380—**Anatomical Structures Related to Movement.** Fours hours.
Prerequisites: BIO 101 and 102.
A study of the skeletal, muscular, circulatory, and neurological structures pertinent to human movement.

425—**Problems of Child Health.** Four hours.
Child safety, nutrition, diseases of children, mental health of children, growth.

431—**Sanitation.** Four hours.
Problems of sanitation in the home and school, in food producing and handling, water supply, waste and excreta disposal. Based on an understanding of general biology.

452—**Physiology of Exercise.** Four hours.
Prerequisite: HTH 380.
A study of the physiological changes which occur in the body during muscular activity.

454—**Health Education in Elementary Schools.** Four hours.
Methods and materials for the elementary teacher, with special emphasis on instruction and on coordination of school and community health programs.

455—**Health Education in Secondary Schools.** Four hours.
Primarily for students majoring or minoring in health and physical education. Materials and techniques for high school teachers of health; conducting the school health program at the secondary level.

482-G482—**Kinesiology.** Four hours.
Prerequisite: HTH 380.
Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of muscles in body mechanics.

483—**School Health.** Four hours.
Organization and operation of school health programs with emphasis on policies, procedures, problems, cooperating agencies, and field work.

485—**Marriage and Family Life.** Four hours.
Physical, emotional, and medical basis for successful courtship, marriage, and parenthood.

Safety and Driver Education

335—**Safety Education.** Two hours.
A study of the general program of safety education in public school, with

special reference to the selection and knowledge of materials, including methods and techniques of instruction: visual aids, safety projects, special programs, and the utilization of new methods of civil defense.

437-G437—**Introduction of Driver Education.** Four hours.

Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation, and traffic law and regulations. Includes introduction of laboratory experiences in the use of psychophysical testing and in the development of driving skills.

453-G453—**Methods of Driver and Traffic Safety Education.** Four hours.

Prerequisite: HTH 437.

Methods and techniques to develop competence in transferring knowledge and skill as well as inspiring satisfactory attitudes. Organization and administration of the program, including scheduling, financing, and developing good public relations.

456-G456—**Simulation in Driver Education.** Two hours.

Prerequisites: HTH 437 and HTH 453.

Simulation is an audio-visual instructional method and has been designed to complement and supplement other instructional techniques utilized in the Driver Education program to prepare individuals to function safely and effectively in today's traffic.

DEPARTMENT OF PHYSICAL EDUCATION (PE—730)

Wayne L. Babin, Chairman

Broom, L. Brown, Carpenter, Cummings, Grantham, Haley, Harrington, Johnson, Milam, Slay, Stafford, Townley, Walton

CLINICAL FACULTY: L. B. Lamm, M.D., Center Director, Biloxi Veterans Administration Center; L. T. McKinstry, M.D., Chief P.M. & R.S.; R. A. Parrish, Coordinator, P.M. & R.S.; J. H. Garner, CCT. Clinical Training Supervisor.

The Physical Education Department administers seven educational programs. These programs are designed to meet the following objectives:

1. To train health and physical education teachers for secondary schools.
2. To qualify health and physical education teachers for certification as Corrective Therapists.
3. To offer minor fields of training in health and physical education to students majoring in other fields.
4. To provide specialized training in the field of Athletic Administration and Coaching.
5. To provide specialized training for certification in aquatics.
6. To satisfy the Basic College General Core Curriculum requirements for physical education classes.
7. To create opportunities for students and faculty participation in intramural sports.

PE PROGRAM 1—**A Major Program for the Bachelor of Science Professional Degree in Health and Physical Education**

The purpose of this program is to train students to teach health and physical education subjects in secondary schools. The program requires a total of sixty (60) hours in the major field areas: forty (40) hours in physical education courses, and twenty (20) hours in health courses. Students must also successfully complete the professional requirements in secondary education: the general education requirement for secondary teachers, and the secondary teachers certification program (for details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog).

Courses required by the Departments of Health and Physical Education are listed below:

PHYSICAL EDUCATION: 46, 47, 48, 379, 409, 410, 412, 484.
For Men: 402, 405, 406.
For Women: 314, 400.
HEALTH: 333, 343, 380, 452, 482.
Electives may be selected in order to complete a total of 192 hours.

PE PROGRAM 2—**A Major Program for the Bachelor of Science Professional Degree in Health and Physical Education with Specialization in the Field of Adaptive Physical Education, and Certification as a Corrective Therapist.**

The purpose of this program is to train students to teach health and physical education courses in secondary schools. In addition, the program offers specialized training in adaptive physical education, and certification as a corrective therapist.

This program requires forty-eight (48) hours in major field areas: twenty-eight (28) hours in physical education courses, and twenty (20) hours in health courses. Students must also successfully complete the professional requirements in secondary education: the general education requirement for secondary teachers, and the secondary teachers certification program (for details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog).

Upon completion of the on-campus requirements, two quarters of work at the Veterans Administration Center, Biloxi, Mississippi, will satisfy requirements for Corrective Therapy Certification.

Courses required by the Departments of Health and Physical Education are listed below:

PSYCHOLOGY: 337, 445, 481. (Prerequisite for Biloxi program.)
PHYSICAL EDUCATION: 46, 47, 48, 379, 409, 410, 412, 484,.
For Men 402, 405, 406.
For Women: 314, 400.
HEALTH: 333, 343, 380, 452, 482.

Therapy (THY) (Courses offered at Biloxi)

301—**Research I, II, III.** One hour.
Research in the area of rehabilitation theory and its application.

421—**Clinical Experience.** One to six hours. (May be repeated).
Lectures and supervised internship in various rehabilitation theories and their application.

431, 432, 433—**Rehabilitation Theory and Application.** Four hours each.
Lectures, directed clinical work, and research in rehabilitation theory and its application.

441, 442, 443—**Psychology of Rehabilitation.** Four hours each.
The approach to rehabilitation as it involves the individual in the mental and physical phases of readjuistment.

453—**Supervision of Therapy and its Application.** Twelve hours.

PE PROGRAM 3—**Minor Programs in Physical Education**

The purpose of these programs is to recommend a choice of minor fields in physical education to students majoring in other fields.

PROGRAM 3A—A minor in physical education with an emphasis in dance may by obtained by completing the courses listed below:
PHYSICAL EDUCATION 341, 342, 382, 351, and electives in ballet, tap, modern, social, folk, square dance, to equal twenty-eight (28) hours.

PROGRAM 3B—A minor in physical education with an emphasis in physical education may be obtained by completing the courses listed below:
PHYSICAL EDUCATION 379, 410, 411, 412.

PHYSICAL EDUCATION—MEN: 402, 405, and electives to equal a total of twenty-eight (28) hours.
PHYSICAL EDUCATION—Women: 314, 400, and elective to equal a total of twenty-eight (28) hours.

PE PROGRAM 4—**An Elective Program in Athletic Administration and Coaching.**

The purpose of this elective program is to provide specialized training for teachers who will administer and coach athletics in addition to their primary teaching responsibilities. Students who plan to work in the athletic field are encouraged to complete three courses: **Organization and Administration of High School Athletics, Prevention and Care of Athletic Injuries,** and **Techniques of Officiating Sports for Men.** Students should select additional courses related to the area in which they desire to achieve coaching proficiency.

PE PROGRAM 5—**Certification Programs in Aquatics.**

The purpose of these programs is to train students to meet American Red Cross Water Safety Certification Requirements.

PROGRAM 5A—**The Senior Life Saving and Water Safety Certificate.**

Issued by the University of Southern Mississippi for the American Red Cross upon the completion of PE 403.

PROGRAM 5B—**The Water Safety Instructor's Certificate.**

Issued by the University of Southern Mississippi for the American Red Cross upon the completion of PE 403 and PE 404.

PE PROGRAM 6—**A Program for Required Physical Activity Courses.**

This program is designed to teach students basic physical skills and to provide an opportunity for students to participate in a recreation activity. Activity classes are offered for two reasons: to satisfy the Basic College Core requirements for three quarter hours of physical education; and to offer an opportunity to students to utilize some elective hours for the purpose of developing new physical skills and knowledge, or to advance in a skill they find particularly enjoyable. Male students electing to take the physical education requirements of the Basic College Core must take PE 164, 165, and 166. All female students must take three hours of the one-hundred level courses listed under Physical Activity Courses in order to complete the Basic College Core. All other activity classes may be taken as electives.

PE PROGRAM 7—**An Elective Program in Intramural Activities.**

The purpose of this program is to provide students and faculty members opportunities to participate in athletic or recreational activities. For details concerning the men's and women's intramural programs consult the Intramural Handbooks published yearly by the Department of Physical Education.

PHYSICAL EDUCATION COURSES (PE—730)

Physical Education

46, 47, 48—**Developmental Skills.** No credit.
Required for health and physical education majors.

314—**Officiating and Coaching Team Sports for Women.** Four hours
Development of personal skills and officiating techniques in team sports.

317—**Techniques of Teaching Stunts, Tumbling, and Apparatus.** Two hours.

378—**History and Principles of Physical Education.** Two hours.

379—**Introduction to Health, Physical Education, and Recreation.** Four hours.
A survey of the areas of health, physical education, and recreation.

380—**Conducting Drill Team.** Two hours.

399—**Techniques of Teaching Ballet and Modern Dance.** Four hours.
Prerequisite: All ballet and modern dance courses.

400—**Coaching and Officiating Individual and Dual Sports for Women.** Four hours.
Development of personal skills and officiating techniques in individual and dual sports.

401-G401—**Preventive and Corrective Physical Education.** Four hours.
Recognition of and corrective exercise for functional abnormalities.

405, 406, 407—**Sports Laboratory.** (Beginning, Intermediate, and Advanced.) Two hours each.
Experiences in the various phases of intramurals and physical education activity programs.

408-G408—**Techniques of Teaching Rhythms.** Two hours.
Practical experience in group instruction in various areas of dance.

409—**Physical Education in Elementary Schools.** Four hours.
Materials and methods in the elementary grades; both theory and practical experiences in selecting, organizing, and directing activities for the elementary school.

410—**Physical Education for Men in Secondary Schools.** Four hours.
Developing personal skills in a variety of sports.

410W—**Physical Education for Women in Secondary Schools.** Four hours.
Developing personal skills in a variety of sports.

412—**Organization and Administration of Health and Physical Education.** Four hours.
The theory and procedure in adopting policies and programs necessary to the development and administration of a sound health and physical education program.

423—**History of Dance.** Two hours.
A survey of dance in various civilizations from prehistoric times to the present.

484—**Evaluation in Health and Physical Education.** Four hours.
Administration and interpretation of tests in health, physical fitness, and skills.

Athletic Administration and Coaching

300—**Varsity Football.** One hour.

301—**Varsity Basketball.** One hour.

302—**Varsity Baseball.** One hour.

303—**Varsity Track and Field.** One hour.

304—**Varsity Tennis.** One hour.

305—**Varsity Golf.** One hour.

322—**Prevention and Care of Athletic Injuries.** Four hours.
Theory and practice for the prospective trainer and coach.

325—**Organization and Administration of High School Athletics.** Four hours.
Program theory and practice in program organization of the major and minor sports with emphasis on selection, purchase, and care of equipment, travel, scheduling officials, facilities, and business management.

373—**Coaching of Football.** Four hours.
Player selection, fundamentals, training, and game strategy.

374—**Coaching of Basketball.** Four hours.
The growth and popularity of basketball, selection, practice and training of players, offensive and defensive strategy.

375—**Coaching of Baseball.** Four hours.
A study of the background and development of baseball, coaching of the

fundamentals, player selection and placement, and other coaching problems.

376—**Coaching of Track and Field.** Four hours.

Selecting of personnel, fundamentals, and training techniques.

402—**Techniques of Officiating Sports for Men.** Four hours.

Personal skills and officiating techniques of varsity sports.

411—**Theory of Teaching Swimming and Diving.** Two hours.

Organization and administration of the community swimming program, including pool operation, maintenance, and sanitation.

Aquatics

403—**Life Saving and Water Safety.** Two hours.

Prerequisite: Proficiency in swimming.

American Red Cross Senior Life Saving Certificate awarded upon completion of this course.

404—**Water Safety Instructor's Course.** Two hours.

Prerequisite: Life Saving and Water Safety.

Emphasis on knowledge and skills beyond the scope of the Senior Life Saving Certificate. Upon completion of this course students are qualified to conduct water safety courses in schools and communities.

Physical Activities

164—**Standardized Diagnostic Tests for Screening and Grouping.** (Men) One hour.

Developing proficiencies in aquatics and team sports. Emphasis on the development of personal physical fitness in the basic areas of cardiovascular efficiency, strength efficiency in executing basic skills necessary in daily living.

165—**Developing Proficiencies in Individual Sports, Dual Sports, Stunts, and Tumbling.** (Men) One hour.

Development of personal physical fitness through isometric and isotonic exercise including weight training.

166—**Developing Proficiencies in Gymnastics, Track and Field, Soccer, and Aquatics.** (Men) One hour.

Continued emphasis on physical fitness. Standardized diagnostic tests to determine improvement in personal physical fitness through the year.

178—**Volleyball for Women.** One hour.
179—**Badminton for Women.** One hour.
180—**Archery for Women.** One hour.
183—**Golf for Women.** One hour.
184—**Square Dance for Women.** One hour.
185—**Folk, Contra and Round Dances for Women.** One hour.
186—**Bowling for Women.** One hour.
188—**Modern Dance for Women.** One hour.
189—**Swimming for Women.** One hour.
191—**Gymnastics for Women.** One hour.
192—**Tennis for Women.** One hour.
193—**Social Dance for Women.** One hour.
312—**Softball for Women.** One hour.
313—**Soccer and Speedball for Women.** One hour.
315—**Stunts and Tumbling for Women.** One hour.
320—**Women's Basketball.** One hour.
321—**Volleyball.** One hour.
326—**Badminton.** One hour.
328—**Archery.** One hour.
330—**Golf.** One hour.
341—**Square Dancing.** One hour.
342—**Folk, Contra, and Round Dances.** One hour.

349—**Bowling.** One hour.
351—**Modern Dance.** One hour.
Emphasis on beginning techniques and movement fundamentals.
352—**Intermediate Modern Dance.** One hour.
Prerequisite: PE 351 or by permission of instructor.
353—**Advanced Modern Dance.** One hour.
Prerequisite: PE 352 or by permission of instructor.
354—**Composition.** One hour.
Prerequisite: PE 353 or by permission of instructor.
355—**Advanced Composition.** One hour.
Prerequisite: PE 354 or by permission of instructor.
356—**Techniques of Production and Performance in Dance.** One hour.
Prerequisite: PE 355 or by permission of instructor.
363—**Swimming.** One hour.
365—**Tennis.** One hour.
367—**Gymnastic.** One hour.
371—**Social Dancing.** One hour.
381—**Marksmanship.** One hour.
382—**Ballet I.** One hour.
383—**Ballet II.** One hour.
Prerequisite: Ballet I or by permission of instructor.
384—**Ballet III.** One hour.
Prerequisite: Ballet II or by permission of instructor.
385—**Ballet IV.** One hour.
Prerequisite: Ballet III or by permission of instructor.
386—**Ballet V.** One hour.
Prerequisite: Ballet IV or by permission of instructor.
387—**Ballet. VI.** One hour.
Prerequisite: Ballet V or by permission of instructor.
390—**Modern Jazz I.** One hour.
Prerequisite: Ballet or Modern Dance experience.
392—**Acrobatics I.** One hour.
394—**Tap I.** One hour.
397A, 397B, 397C—**Ballet Workshop.** One hour each.
398A, 398B, 398C—**Modern Dance Workshop.** One hour each.

DEPARTMENT OF RECREATION (REC—735)

John M. King, Chairman
Nesbitt, Brechtel

The Department of Recreation administers three educational programs. These programs are designed to meet the following objectives:

1. To train students who desire to enter the recreation profession.
2. To offer a minor field of training in recreation to students majoring in other fields.
3. To provide specialized training for certification in Rifle Markmanship.

REC PROGRAM 1—**A Major Program for the Bachelor of Science Degree in Recreation.**

The purpose of this program is to train students for professional-vocational careers in recreation. The program requires forty-four (44) hours in the major field of recreation and twenty-eight (28) hours in a minor field related to recreation. An interdisciplinary minor in courses releated to recreation may be obtained by completing the following courses: BED 460, ITE 314 or 315, MED 382, FIN 320, MGT 364, SOC 429, and PE 341.

Courses required by the Department of Recreation are listed below:
REC 420, 430, 433, 440, 445, 450, 469, 470, 481, and 488.

Electives may be selected in order to complete a total of 192 hours.

REC PROGRAM 2—**A Minor Program in Recreation.**

The purpose of this program is to recommend a minor field in recreation to students majoring in other fields. A minor in recreation may be obtained by completing twenty-eight (28) hours in recreation courses.

REC PROGRAM 3—**A Certification in Rifle Marksmanship.**

The purpose of this program is to train students to meet the National Rifle Association of America certification requirements for instructors.

RECREATION COURSES (REC—735)

382—**Marksmanship.** Two hours.

Prerequisite: PE 381.

Instructor's course in marksmanship as certified by the National Rifle Association.

420—**History and Principles of Recreation.** Four hours.

The history, principles, and values of recreation.

The contributions and responsibilities of the many organizations active in the field are described.

430—**Outdoor Education and Recreation.** Four hours.

Designed to acquaint recreation leaders, teachers, and administrators with the values, programs, opportunities, and relationship of outdoor education and recreation.

433—**Camp Counseling and Administration of Camping.** Two hours.

Development of skills in camp leadership and administration.

440—**Recreational Leadership Theory.** Four hours.

Developing individual competency in leading recreational activities.

445—**Social Recreation Programming.** Two hours.

Planning, programming, and conducting of social recreation activities.

450—**Youth Service Programs.** Four hours.

Administration, organization, and leadership of youth-service organizations in the community, and the relationship of youth-service programs to the total community recreation activity.

469—**Recreational Skills.** Four hours.

Adapting different craft media for use in recreation programs: making game equipment, stage properties, decorations, hobbies, and other crafts.

470—**Park and Recreational Areas and Facilities.** Four hours.

Presenting to the professional recreation worker the fundamental principles, standards, and techniques in the design, construction, and maintenance of park and recreation areas and facilities.

474—**Community Centers and Playgrounds.** Four hours.

The specific problems and programs unique to recreation centers and playgrounds, emphasizing techniques for administration and operation.

481—**Introduction to Administration of Recreation Service.** Four hours.

A study of official, voluntary, and private organizations for recreation, with special consideration of legal aspects, personnel, facilities, financing, and public relations.

488—**Field Work in Recreation.** Four to twelve hours.

A supervised course designed to give the professional recreation student practical experience in developing skills in various recreation programs.

SCHOOL OF HOME ECONOMICS

Sarah L. Weaver, Dean

Chichester, Dickerson, Drain, Faulkinberry, Golden, Hamman, Hesson, Humphries, McCarthy, Milner, Owings, Rogers, Tuggle, Wilgus

PURPOSE

The curricula and courses in the School of Home Economics are planned to place major emphasis on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community. These areas are child development, clothing and textiles, food and nutrition, home economics education, housing and home management, and marriage and family life.

ORGANIZATION

Bachelor of Science majors are offered in child development, clothing merchandising, clothing and textiles, food and nutrition, institution management-dietetics, institution management-commercial, home economics education-teaching, home economics education-extension service, home economics in equipment, and general home economics. Two-year schedules which lead to a certificate are offered for school lunch room managers and for Head Start and Day Care Center Directors.

CURRICULUM: BASIC COLLEGE AND SCHOOL CORE

The core curriculum for the Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the School of Home Economics.

	Hours
English	
English 111, 112, 113	12
Humanities and Fine Arts	
History 101, 102 or 111, 112	8
Art 111	4
Mathematics	
Mathematics 100 or 101 (majors who take chemistry must take Mathematics 101)	4
Other Courses	
Health 179, Public Address 101	8
Physical Education or Military Science	3
Science (Refer to major for specific requirements)	8
Social Science	
Political Science 101, Sociology 103, Psychology 201	12
Child Development 139	
(Not required of transfer students or students majoring in Institution Management-Commercial)	2
Clothing and Textiles 126	
(Not required of Institution Management-Commercial majors)	4
Food and Nutrition 137, 285	8
Home Economics Education 122	
(Not required of transfer students or students majoring in Institution Management-Commercial)	2
Total	67 to 75

CURRICULUM MAJORS

The curriculum requirements for majors are outlined under the respective sub-titles below.

OFFERINGS FOR NON-MAJORS

Students may earn a minor in home economics by selecting twenty-eight (28) hours of work from the following courses: Child Development 139 and 338; Clothing and Textiles 126, 304, and 312; Food and Nutrition 137, 262, 285, 323, 335, and 336; Housing and Home Management 305 and 482; Marriage and Family Life 151 and 351. **The same courses may be selected for electives.** The only prerequisite to these courses for non-majors is the necessary academic standing; courses with junior or senior numbers may not be taken by freshmen and sophomores. Non-majors who wish to substitute other courses for those named above may do so if they have had the necessary prerequisites to the courses.

A student may minor in any area in which he can major. The twenty-eight (28) hours of courses for a minor in a specialized area such as institution management should be approved by the Dean of the School of Home Economics.

CHILD DEVELOPMENT (CD—805)

The child development curriculum is designed to interest majors with special abilities and interests in young children. It provides opportunities to observe and work with nursery school children. Specialization in this area prepares a student for nursery school teaching and administration and for leadership in educational programs of children's institutions. Those who wish to begin study for positions in such areas as child welfare, college nursery schools, or private nursery schools should follow the curriculum in child development.

NURSERY SCHOOL

The University Nursery School was established in 1929 as a unit within the School of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy, young children and participate in directing the various nursery school activities. The school accommodates children between the ages of three and five years. It operates on a full schedule (nine o'clock in the morning to three o'clock in the afternoon) five days per week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical, and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty, and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area outdoors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advance of the time the child is to be enrolled. Any child who meets the age and development requirements may qualify.

INFANT DEVELOPMENT CENTER

The Infant Development Center, the newest child development laboratory, provides learning experiences in observation and participation with children less than three years of age. Students are able to see and to work with two-year-olds in a morning play group and to help care for infants who are given all day care. This Center increases the opportunities for home economics majors to observe, study, and participate with children from babyhood through preschool years. The child development program enriches the home economics major by providing learning experiences that develop competencies in understanding infants and young children.

CHILD DEVELOPMENT

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220 (8 hours)		
Major and School Requirement		56
MFL 100, 351	6	
CD 338, 350, 420, 482, 484, 485, 486	30	
F & N 336	4	
HHM 334, 482, 484	12	
C & T 304	4	
Other Requirements		18
EPY 316	4	
HTH 333	2	
CIE 317	4	
ARE 107	4	
MED 361	4	
Minor Requirements		28
Electives		19 to 15
Total		192

CHILD DEVELOPMENT COURSES (CD—805)

139—**The Individual and the Family.** Two hours.
Three one-hour recitations and four hours of laboratory per week.
Not required of junior transfer students.

A functional course dealing with the student's immediate concerns regarding his family life. Special attention will be given to the development of the individual in seeing himself objectively. Experiences in the Nursery School contribute to a greater awareness of behavioral differences among individuals.

90 or 390—**Preschool Teachers' Workshop I, II, III.** One and one-half hours.
For day-care operators, nursery school teachers, and educational leaders in preschool centers.

a. **Administration of Preschool Centers.**
Good principles of administration in group programs of young children.
b. **Curriculum Planning.**
Improving programs through better administrative procedures. Good group experiences for the preschool child.
c. **Personality of the Preschool Child.**
Understanding children's behavior—or guiding personality development.
d. **Creative Activities.**
Emphasis on art for young children.
e. **Literature and Language.**
Appropriate literature for the preschool child and use of bulletin boards, flannel graphs, puppets, and other resources.

338—**Child Development.** Four hours.

Three one-hour class periods and five hours of observation and participation in the Nursery School per week.

A course designed to create interest in preschool children and to foster understanding of their development and behavior patterns. It is a study of the problems involved in guiding children toward happy, successful adulthood.

350—**Home and Preschool Relationships.** Four hours.
A study of the relationships of parents and children, helping them to understand and guide children effectively. Evaluate principles, procedures, and methods of working with parents in a group and in individual conferences so that these may contribute to constructive home-school relationships.

420—**Advanced Child Development.** Four hours.

440—**Infant Development.** Four hours.

Three one-hour class periods and five hours of laboratory for observation and participation in the Infant Development Center per week.

A course for students and parents concerned with the infant. Particular emphasis will be placed on acquiring understanding of infant development. Readings, class discussions, and field trips into home and group situations will apply theory to practice.

450-G450—**Symposium in Child Development.** Two hours.

Prerequisite: Consent of instructor.

A study of theories and recent research used in preschool education; role of preschool education in the total education system. For home economics teachers, preschool teachers, and others interested in experience in the guidance of young children.

482—**The Child's Play Environment.** Four hours.

Three one-hour class periods per week, plus four hours of observation and participation in the Nursery School.

A course for students interested in studying preschool children, in developing teaching techniques, and in sharing responsibilities in the daily activities of the Nursery School.

A study of the role of play in the development of young children with emphasis upon selection, care, and use of equipment. Opportunities are provided to evaluate materials in use, to plan play activities for children, and to construct toys.

484—**Supervised Participation.** Six hours.

Prerequisite: CD 420. Hours arranged.

Directed participation as an assistant in the Nursery School for one quarter.

485—**Participation Experiences in the Infant Development Center.** Four hours. Hours arranged.

Prerequisite: CD 420.

Directed participation and responsibility for the guidance of the infants and toddlers in the Infant Development Center. Administration and parent education experiences arranged. Opportunity for study of community agencies concerned with the development and care of infants and toddlers.

486—**Creative Materials and Activities for the Preschool Child.** Four hours.

A study of creative activities (literature, art, music, nature study, etc.) for preschool children and practical experiences with these in the Nursery School.

TWO-YEAR CERTIFICATE COURSE IN CHILD DEVELOPMENT

The two-year schedule of courses which leads to a certificate is planned for Head Start teacher and Day Care Center directors. The program includes general education courses as well as those designed to add to the special preparation of the individual who plans to direct or teach in a preschool center.

Curriculum

General Education	Hours
ENG 100, 111, 112, 113	16
PA 101	4
PS 101	4
PSY 201, 316	8
SOC 103	4
HTH 179, 333	6
SCE 432	4
Total	46

Home Economics	
CD 338, 390 I, II, III, 350	
440, 482, 486, 420 (choice)	20
F&N 263	4
Total	24
Recommended Electives	26
CIE 309, 311, 317, 330, 425, 414	
MAT 100, 318	
ARE 107	
MED 361	
F&N 336	
MFL 100, 351	
SPE 491	
PE	
Total	96

CLOTHING AND TEXTILES (C&T—810)

The two curricula offered in the area of clothing and textiles are clothing and textiles and clothing merchandising.

Each curriculum offers information and experiences that will enable the students to solve more satisfactorily their personal and family—or potential family—clothing and household textile problems. Professional opportunities abound in fashion, teaching, research, extension, and communications.

Clothing and textiles majors find positions mainly through work with textile, fabric, and pattern companies, consumer education jobs with manufacturers, and in writing for magazines, newspapers, radio, and television, depending upon the specialized preparation and interest of the individual student. An adviser helps students select background courses for specialized areas. Some students enter the teaching field.

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, and field experience. With this backround, graduates are prepared to move into executive training programs offered by large department stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous other jobs involving some aspect of retailing.

CLOTHING AND TEXTILES

Minor: Art, Business, Chemistry, Communication

		Hours
Basic College and School Core		71 to 75
Required Science: 8 hours of biology or 8 hours of chemistry		
Major and School Requirements		68
C & T 304, 360, 350, 420, 452, 460, 465, 457, 456	36	
HHM 305, 482, 484, 315, 334	20	
CD 338	4	
F & N 335	4	
MFL 351	4	
Other Requirements		4
ECO 256		
Minor Area		28
Electives		21 to 17
Total		192

CLOTHING MERCHANDISING

Minor: Business

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220, (8 hours) or 8 hours of chemistry.		
Major and School Requirements		52
C&T 304, 312 or 360, 350, 365, 457, 460	24	
CD 338	4	
F&N 335	4	
HHM 305, 334, 482, 484*	16	
MFL 351	4	
Other Requirements		12
ARE 107	4	
PSY 202	4	
ECO 256	4	
Minor Requirements		32
FIN 100 or 320	16	
MKT 300, 330, 332, 355	16	
ACC 201, 202	8	
C & T 470 I, II	4	
Electives		25 to 21
Total		192

*Men may substitute HHM 315 for this course.

CLOTHING AND TEXTILES COURSES (C&T—810)

126—**Fundamentals of Clothing Selection and Construction.** Four hours.

Two 1-hour periods and two 2-hour periods per week.

Art principles related to wardrobe planning; understanding and applying fundamental principles of garment construction to a specific garment; application of art and construction principles to selection of ready-to-wear.

304—**Art Related to the Home and Dress.** Four hours.

Three 1-hour periods and one 2-hour laboratory period per week.

Prerequisite: ART 111.

A course designed to develop an understanding of applied principles of design in clothing, clothing accessories, and exterior and interior of houses. Opportunity furnished for practical solution of personal and home design problems.

312—**Consumer Textiles.** Four hours.

A practical study of textile fabrics and finishes, trade practices, and legislation as they relate to consumer problems.

313—**Garment Selection and Wardrobe Planning.** Four hours.

Designed as an elective for home economics, marketing, business, education, and other majors.

Prerequisite: Junior status or special permission of instructor.

Selection of ready-to-wear garments on basis of need, appropriateness, aesthetic value, cost, and serviceability.

350—**Family Clothing.** Four hours.

Two 1-hour periods and two 2-hour laboratory periods per week.

Prerequisites: C&T 126 and 304, or equivalent.

Interpreting the problems of clothing the family in terms of the family life cycle; understanding factors affecting clothing decisions; socio-economic aspects of clothing and textiles as they affect the family members; understanding the basic techniques used to alter patterns and ready-to-wear for a

variety of figure problems; and constructing a garment which stresses hand sewing skills.

360—**Textiles.** Four hours.

Three 1-hour periods and one 2-hour laboratory period per week.

Prerequisites: Chemistry and junior status.

A study of the fundamental aspects of textiles: physical and chemical properties of fibers, yarn structure, weaves and fabric design, and finishes as they relate to consumer selection, use, care, and over-all satisfaction; markets and legislative consumer aids.

365—**Clothes and Cultures.** Four hours.

Prerequisite: Junior or senior status.

Cultural and economic factors concurrent to the adoption and abandoment of styles of dress in western civilization from ancient times to the present.

420—**Tailoring.** Four hours.

Two 1-hour periods and two 2-hour laboratory periods per week.

Prerequisites: C&T 126 and 304, or equivalent.

Principles and techniques of tailoring applied to a suit or coat; attention given to suitability of pattern and fabric to individual, pattern and fabric to each other, cost, garment fitting, creative design details, and appropriate accessories; application of learnings to selection and evaluation of ready-made tailored garments.

452—**Textile Product Evaluation.** Four hours.

Two 1-hour and two 2-hour laboratory periods per week.

Prerequisite: C&T 312 or 360 or approval of instructor.

Testing apparel and household textile fabrics by standard ASTM and AATCC methods; interpreting and evaluating test results; application of data to better consumer understanding and practices.

456—**Textile Economics.** Two hours.

Prerequisite: C&T 312, or C&T 360 or equivalent.

A study of problems which affect the consumer in the production, distribution, and consumption of textiles and clothing. Survey of recent developments in the textile and clothing field.

457—**Fashion Fundamentals.** Four hours.

Fashion as a social force and the factors that affect and influence it. A study of the workings of the fashion world, including designers, leading markets, and fashion cycles.

460-G460—**Apparel Design.** Four hours.

Two lectures and two 2-hour laboratory periods per week.

Prerequisite: C&T 304, 312, or 360.

Development of original designs for apparel items.

470 I, II—**Retail Management Internship.** Two hours each.

Prerequisites: MKT 300, 330, 332.

A total of four credit hours is to be earned in a training-work program in the operation and management of retail activities. This work is to be done in a cooperating department store. The student is under the supervision of his adviser with whom he makes plans and arrangements and for whom he prepares assigned progress and evaluation reports.

FOOD AND NUTRITION (F&N—815)

This area provides courses in foods, nutrition, institution management-dietetics and institution management-commercial for undergraduate and graduate students in the School of Home Economics. Some of the basic courses

may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting food and nutrition as a major can prepare for positions in public health, extension, research, journalism, and commercial organizations. Positions as dietitians in hospitals, government services, or clinics are open to those who receive the Bachelor of Science degree with a major in institution management-dietetics. Students majoring in institution management-commercial can prepare for positions as food service administrators in restaurants, hotels, colleges, industry, school food service, and related fields.

The two majors within the institution management curriculum, institution management-dietetics and institution management-commercial, meet the academic requirements for membership in the American Dietetic Association and qualify the student for an internship approved by the association. Graduates are eligible for membership in the American School Food Service Association, National Restaurant Association, and the American Home Economics Association.

A two-year certificate course is available for school lunch managers. The School of Home Economics in cooperation with the State Department of Education sponsors an annual School Lunch Managers' Workshop.

Suggested minors are: for food and nutrition majors—chemistry or journalism; for institution management-dietetics majors—chemistry, general science, or health; and for institution management-commercial majors—chemistry, marketing, accounting, biology, economics, art, or management.

CHARCOAL ROOM

The Charcoal Room is a modern academic laboratory for institution management majors. The Charcoal Room is in the University Commons which is centrally located on the campus.

The facility provides good food of high quality in attractive surroundings for congenial association of faculty members, staff, and graduate students with their colleagues, guests, and families. It also offers an excellent stimulating experience and training center for institution management majors under the guidance of the institution management faculty.

INSTITUTION MANAGEMENT-DIETETICS

Minor: General Science

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		56
MFL 351	4	
CD 338	4	
HHM 334, 482	6	
C&T 304	4	
F&N 335, 394, 442, 444, 459, 476, 478, 483, 485	38	
Other Requirements		50
EPY 319	4	
CHE 121, 122, 123, 251, 252, 253	24	
BIO 229	4	
ECO 200 or 256	4	
ACC 201	4	
MGT 360	4	
MGT 364 or PSY 449	4	
HTH 333	2	
Electives		15 to 11
Total		192

INSTITUTION MANAGEMENT-COMMERCIAL

Minor: Business

		Hours
Basic College and School Core		67
Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		46
CD 338	4	
F&N 335, 394, 442, 444, 459, 478, 483, 485	34	
HHM 315	4	
MFL 351	4	
Other Requirements		26
CHE 121, 122, 123, 251, 252, 253	24	
HTH 333	2	
Minor Requirements		28
ACC 201	4	
ECO 200	4	
FIN 100	4	
MGT 360, 364, 454	12	
MKT 330	4	
Electives		25
Summer Practicum		0
Total		192

FOOD AND NUTRITION

Minor: Journalism or Chemistry

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		38
CD 338	4	
HHM 334, 315	6	
MFL 351, 100	6	
F&N 335, 442, 476, 478, 394	18	
HEE 390	4	
Other Requirements		28
CHE 121, 122, 123, 251, 252, 253	24	
ECO 256	4	
Minor		28
Electives		27 to 23
Total		192

TWO-YEAR CERTIFICATE COURSE

A two-year schedule of courses which lead to a certificate is planned for school lunch managers. The program includes general education courses as well as those designed to add to the special preparation of the individual as a school lunch manager.

Curriculum

General Education Courses	Hours
ENG 111, 112, 113	12
MAT 100	4
HIS (any course)	4
PSY 201	4
BIO 101	4
HTH 179	4

Art (any course)	4
HTH 333,	2
HHM 334	2
ECO 200	4
C&T 312 or 360	4
CD 139	4
English (Literature)	4
F&N 137	4
F&N 285	4
F&N 335	4
F&N 262	4
F&N 263	4
F&N 264	4
Electives	16
Total	96

FOOD AND NUTRITION COURSES (F&N—815)

137—**Food Study.** Four hours.

Two 1-hour theory and two 2-hour laboratory periods per week.

Study of the body's need for food. Application of principles in planning, preparing, and serving simple meals.

56-156—**School Lunch Managers' Workshop: Purchasing.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Involves study of available stocks; receiving and storing practices; emphasis on inventories, storage room, and food purchasing.

57-157—**School Lunch Managers' Workshop: Planning Better School Lunches.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on planning and serving nutritious quantity meals at minimum cost.

58-158—**School Lunch Managers' Workshop: Food Cost Control.** One and one-half hours.

Emphasis on budget break-down, records, inventories, and real cost for school lunch.

59-159—**School Lunch Managers' Workshop: Personnel Management.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on problems of personnel for school lunch.

65-165—**School Lunch Managers' Workshop: Quantity Food Preparation.** One and one-half hours.

Preparation of appetizing, nutritious, and attractive meals for the school child.

66-166—**School Lunch Managers' Workshop: School Cafeteria Equipment.** One and one-half hours.

A course designed to teach managers how to conserve time and energy through efficient arrangement, use, and care of equipment.

67-167—**School Lunch Managers' Worshop: New Developments in the School Lunch Program.** One and one-half hours.

Recent research and findings in phases related to the school cafeteria; special problems of the manager.

68-168—**School Lunch Managers' Workshop: Nutrition and the School Child.** One and one-half hours.

69-169—School Lunch Managers' Workshop: Organization and Management of Food Services. One and one-half hours.

Designed to give experiences in executive leadership, planning, organizing, and controlling the activities of the organization.

70-170—School Lunch Managers' Workshop: Food Storage. One and one-half hours.

Designed to give understanding of how to prevent the loss of food. Emphasis placed on proper temperature, ventilation, and systematic food storage.

71-171—School Lunch Managers' Workshop: Methods and Materials in School Lunch. One and one-half hours.

A professional, specialized course in techniques and methods necessary for training school lunch personnel and developing leadership in supervisory personnel.

72-172—School Lunch Managers' Workshop: Work Simplifications. One and one-half hours.

Principle of motion economy as related to use of human body in work places; application of work simplification procedure to school cafeteria problems.

178—Food and Nutrition. Four hours.

Two one-hour theory and two 2-hour laboratory periods per week.

Practical knowledge of nutrition and its relation to health. Application of principles in food preparation.

262—Problems in Managing a School Cafeteria. Four hours.

Three theory periods and one laboratory period per week.

Prerequisite: F&N 137 or 178.

Course in the organizational structure of the federal school lunch program. Emphasis placed on food cost control records and management procedures concerned with nutritional aspects of the school lunch operation at the local level. Experience in organization, equipment, and operation of food for large groups.

263—Menu Planning, Food Preparation and Serving for the School Cafeteria. Four hours.

Two theory and two laboratory periods per week.

Planning balanced school lunches and banquets, actual experiences in preparation and service for large groups, including lunch program.

264—Sanitation for the School Cafeteria. Four hours.

Three theory periods and one laboratory period per week.

Prerequisites: HTH 179 and 333, and F&N 137.

Emphasis on all phases of sanitation in school lunchrooms.

285—Meal Planning and Table Service. Four hours.

Prerequisite: F&N 137.

Two one-hour theory periods and two 2-hour laboratory periods per week.

Continuation of F&N 137. Emphasis on more advanced meal planning, preparation, and service; scientific principles of cookery stressed.

323—Elementary Course in Nutrition. Two hours.

Planned for non-home economics majors. Nutritional needs of body and proper selection of foods emphasized.

335—Nutrition. Four hours.

Prerequisite: F&N 285 or 178.

Intensive study of the body's need for foods, including the chemistry of digestion, care of digestive system, nutritive requirements of body during different stages of life.

336—Child Nutrition. Four hours.

A study of nutritive requirements of young children, with laboratory experiences in Nursery School.

346—**Teaching Food and Nutrition in the Elementary Grades.** Four hours.

Course planned to give those preparing to teach in the elementary grades some understanding of materials and methods for teaching nutrition.

394—**Food Problems.** Two hours .

A study of individual problems in food preparation. Problems developed by students in conference with instructor.

442—**Experimental Foods.** Four hours.

Two 1-hour theory periods and two 2-hour laboratory periods per week.
Prerequisite: F&N 285 and 335.

Elementary research to determine factors affecting standard products. Experimentation in preparation, ingredients, methods of cooking, temperature, and utensils used.

444-G444—**The School Lunch.** Four hours.

One one-hour theory period and three 2-hour laboratory periods per week.

Designed to give experience in menu planning, records, food buying, and preparing and serving food on quantity level.

459-G459—**Institution Food Purchasing.** Four hours.

Prerequisite: Junior status.

The purchase of food for institutional use, including investigation of marketing conditions, sources, standards of quality, grades, methods of purchase, care and storage of different classes of food.

476—**Diet in Disease.** Four hours.

Prerequisites: F&N 335, F&N 478, and permission of instructor.

Study of diseases influenced by diet and dietary treatment of diseases.

478—**Advanced Nutrition.** Four hours.

Prerequisites: F&N 335 and permission of instructor.

Study of current literature for new findings in field of nutrition.

483—**Quantity Food Production and Service.** Six hours.

Two one-hour theory periods and three 2-hour laboratory periods per week.
Prerequisite: F&N 285.

Emphasis on actual food preparation and serving on quantity level.

485—**Organization and Management.** Six hours.

Two one-hour theory periods and three two-hour laboratory periods weekly.

Prerequisite: F&N 483.

Organization, financial control, and personnel management for institution food departments.

HOME ECONOMICS EDUCATION (HEE—820)

The curricula in home economics education are planned for those who wish to be teachers of home economics education in the schools or who wish to work in the home economics extension service. Those preparing for teaching should major in home enconomics education-teaching, and those preparing for extension service in home economics education-extension service.

Students who complete the curriculum in home economics education-teaching will receive the vocational license to teach home economics education in the secondary schools of the State of Mississippi.

HOME ECONOMICS EDUCATION

Home Economics Education-Teaching

Minor: Secondary Education

	Hours
Basic College and School Core	71 to 75

Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		77
F&N 335, 442	8	
CD 338	4	
C&T 312 or 360, 350, 304	12	
M&FL 100, 351	6	
HHM 334, 305, 315, 482, 484, 401	22	
HEE 481, 380, 390, 489	25	
Other Requirements		32
CHE 121, 122, 123	12	
ENG 210, 215, 219, 300, or 306	4	
EPY 319	4	
EPY 332	4	
CIS 313	4	
CIF 469	4	
Electives	12 to 8	
Total		192

Home Economics Education-Extension Service

	Hours	
Basic College and School Core	71 to 75	
Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		60
CD 338	4	
C&T 304, 312 or 360, 350, 420	16	
F&N 335, 394, 442	10	
HHM 305, 315, 334, 482, 484, 401	24	
MFL 100, 351	6	
Other Requirements		20
CHE 121, 122, 123	12	
ENG 210, 215, 219, 300, or 306	4	
JOU 102 or RTF 121	4	
Minor Requirements		31
EPY 319, 332	8	
HEE 380, 390, 485, 486, 489	23	
Electives	10 to 6	
Total		192

HOME ECONOMICS EDUCATION COURSES (HEE—820)

122—**Introduction to Home Economics.** Two hours.

A course designed to show the value of home economics in personal and family living, as well as in vocational pursuits.

380—**The Teaching of Home Economics Education.** Four hours.

Prerequisite: Junior standing in home economics.

A study of the place of home economics education in the total school program. Emphasis on organization of teaching plans and materials; opportunity for class and home experiences, and evaluation for the school home economics education program.

390—**Consumer Education.** Four hours.

Prerequisite: Junior status.

This course is designed to help the student recognize the role and the responsibility of the consumer in the economy. The study will involve an exploration of some of the common consumer problems, some economic trends and principles, and some consumer agencies which help the individual

and the family to develop wise buying skills and proper use of consumer aids.

481—**Student Teaching in Home Economics Education.** Twelve hours.

Prerequisite: HEE 380.

485—**Extension Education.** Five hours.

Opportunities provided to work with state extension specialists and with the district extension leader to become acquainted with special methods in extension work.

486—**Extension Teaching and Observation.** Five hours.

Prerequisite: HEE 380.

Educational experiences in extension service program for a six-week period, or the equivalent, with a home agent. Supervision of work provided co-operatively with the University and the Agricultural Extension Service.

489—**Teaching Home Economics to Adults.** Five hours.

Prerequisite: HEE 380, HHM 401.

A study of the adult home economics program, including emphasis on gainful employment as provided through the Vocational Education Act of 1963. Observation of and participation in existing programs will be provided so as to help the student in the teaching of home economics to adults.

HOUSING AND HOME MANAGEMENT (HHM—825)

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have created many positions for those with the necessary educational background. The major, home economics in equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220		
Major and School Requirements		73
C&T 304, 312 or 360, 420	12	
F&N 335, 442, 394	10	
HEE 380, 390, 489	13	
HHM 305, 315, 401, 480, 482, 485	32	
MFL 100, 351	6	
Minor		28
Electives		20 to 16
Total		192

HOUSING AND HOME MANAGEMENT COURSES (HHM—825)

305—**Housing and House Furnishings.** Four hours.

Prerequisite: C&T 304.

Three one-hour periods and one 2-hour period per week.

A study of the economic and sociological problems in housing and house furnishings; house plans in relation to their influence on family life; trends in heating, plumbing, and lighting houses; selection and arrangement of house furnishings.

315—**Household Equipment.** Four hours.

Two one-hour theory and two 2-hour laboratory periods per week.

Prerequisite: F&N 285.

A study of the selection, operation, care, repair, and arrangement of appliances in the home.

334—**Home Nursing.** Two hours.

The care of the sick in the home.

401—**Demonstration Techniques.** Four hours.

The course is concerned with planning and conducting demonstrations for prospective commercial home economists and teachers who are required to use the demonstration method of laboratory teaching. Consideration will be given to television demonstration techniques.

480—**Field Work in Equipment.** Five hours.

Educational experiences with home economists in the Extension Service and with utility companies.

482—**Economics of the Home.** Four hours

Problems of homemaking relating to wise use of resources. Consumer problems of the homemaker.

484—**Home Management Residence.** Six hours.

Prerequisites: F&N 335 and C&T 304 (HHM 482 prior to or concurrently).

Application of the principles of homemaking through actual participation in responsibilities of home. Care of home; the planning, preparation, and serving of meals; responsibility for baby; and social responsibilities.

485—**Home Economics in Equipment.** Five hours.

Course taken with HHM 480.

Planned experiences with home economists in power and utility companies, lecturers, and field visits. Introduction to the role of the home economist in business.

Field work for those planning to become home economists in equipment.

MARRIAGE AND FAMILY LIFE (M&FL—830)

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The primary objective of the marriage and family life curriculum is to assist college students to grow into intelligent, effective, and satisfying family members in their own homes. The vast majority of youth today marry and establish homes of their own. There is grave evidence of the need for giving intelligent and functional guidance to these young people in order that their homes can be satisfying and lasting. Although the basic emphasis of the curriculum is learning to become a good marriage partner and parent, it also qualifies the student for some avenues of employment for additional income and/or as a means of self-expression.

There is one major, general home economics, which incorporates undergraduate marriage and family life courses in the home economics core.

GENERAL HOME ECONOMICS

		Hours
Basic College and School Core		71 to 75
Science required: BIO 101, 220 (8 hours)		
Major and School Requirements		56
CD 338, 420	8	
C&T 304, 312 or 360, 350	12	
F&N 335, 394	6	
HEE 390	4	
HHM 305, 315, 334, 482, 484	20	
MFL 100, 351	6	
Other Requirements		12
ECO 200	4	
EPY 332	4	
HTH 425	4	
Minor Requirements		28
Electives		25 to 21
Total		192

MARRIAGE AND FAMILY LIFE COURSES (M&FL—830)

100—**Social Competencies.** Two hours.

Open to all students.

A course designed to help the student develop competencies in social interaction.

151—**Personal Development, Dating, and Courtship.** Four hours.

Identifying student interests and problems arising out of college life; establishing satisfying relationships in intellectual, social, and emotional environment of college living; study personal social policies influencing dating and courtship.

351—**Marriage and Family Living.** Four hours.

Prerequisite: Junior or senior standing.

A course designed to give better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage; marriage adjustment; family functions and situations; factors making for successful family living.

SCHOOL OF NURSING

Elizabeth C. Harkins, Dean
Flora Lee Bain, Acting Dean
Balmat, Bates, Benjamin, DuPuy, Lester, Linton, McGrew, McHenry, Rabin, Sturdivant

PURPOSE

The primary purpose of the School of Nursing is to provide its students with a sound preparation for nursing practice. The program of study includes courses in liberal arts and humanities, natural and behavioral sciences, and nursing. Students are encouraged to participate in all University activities as well as their own nursing organizations. Upon graduation, students are eligible to write the Licensing Examination for Registration.

HISTORY

The School of Nursing of the University of Southern Mississippi was authorized by Senate Bill 2280 of the State Legislature during the general session of 1966. Legislation was enacted in response to the need for an increase in the number of qualified professional nurse practitioners. The School of Nursing received National League for Nursing Initial Accreditation in 1969.

ADMISSION REQUIREMENTS

A student is eligible for admission to the School of Nursing when the following requirements have been met:

1) Completion of forty-eight (48) quarter hours of credit with a quality point average of 1.5.
2) Completion of English 111, 112, 113.
3) Completion of special school requirements:
   a. Demonstrate competency in the natural and behavioral sciences.
   b. Show evidence of meeting certain health requirements.
   c. Demonstrate personal and social qualities requisite to nursing.

Admission to this program is based primarily upon a review of credentials by the members of the Admission Committee of the School of Nursing and by recommendations from faculty. Students are responsible for submitting application for admission to the School of Nursing.

CURRICULUM FOR BACHELOR OF SCIENCE IN NURSING

A student majoring in Nursing must complete sixty (60) hours in Nursing, a minor consisting of twenty-eight (28) hours, and other designated courses required by the Basic College and the School of Nursing. The curriculum requirements below are for all students working toward the Bachelor of Science Degree in Nursing. Students transferring from other colleges and graduates of associate degree and diploma schools will be evaluated individually.

	Hours
Mathematics—100, or 101, or 112	4
Chemistry—101, 102, 103, or 121, 122, 123, and 251, 252, 253	24
Biology—101, 102, 228, 229	16
Microbiology—450, 451, 382	12
Sociology—103, 208, 304, 430, or Psychology 480	16
Psychology—201, 350, 481, 360, or Sociology 485	16
English—111, 112, 113	12
Public Address—101, 361	8
Humanities and Fine Arts—Literature or allied arts or philosophy	4
History—101, 102, or 111, 112	8
Political Science—101 or Economics 200 or Geography	4

Health—333X, 343XX	4
Management—360	4
Nursing—110, 111, 112, 210, 211, 212, or 220; 301, 302, 303, 304, 305, 306, 401, 402, 403, 404, 405, 406, 410	60
Physical Education or Military Science	3
	195

NURSING COURSES (NSG—070)

110—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Characterizes helping situations in a society.

111—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Emphasizes generalizations about the role of the person helped by members of the professions in promoting high-level wellness in man.

112—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Presents generalizations about the role of the helper in professions promoting high-level wellness in man.

210—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Focuses on reasons a person requires nursing assistance in maximizing his potential for wellness. Introduces sources for locating nursing information and continues to stress self-awareness in observation and purposeful conversation with persons in community settings.

211—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Amplifies validation of components of the helping process in promoting high-level wellness, relates the helping process to the purposes of health agencies, and continues to focus on the persons in community settings.

212—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Adapts the helping process to nursing in health agencies and begins study of nursing process in selected situations in community health settings.

220—**Nursing as a Social Process.** Four hours.
Three theory periods and three hour laboratory periods.
Focuses on assisting the student in acquiring knowledge and skills essential for implementing the theories, technologies, and experiences considered prerequisite to enrolling in upper division nursing courses.
Students completing the 110-210 series will not be eligible to take this course for credit.

301—**Foundations of Nursing.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Focuses on the essentially well person in all age groups. Introduces the limitations of a person's therapeutic self-care in selected situations; explores the specific roles of the nurse according to selected helping techniques and the nursing process.

302—**Introduction to Pathology of the Physiological Systems.** Two hours.
Emphasizes structural, functional, and behavioral changes in body systems manifesting disease.

303—**Foundations of Nursing.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.

Focuses on the rationale for doing for a person what he cannot do for self in helping him move toward high-level wellness.

304—**Public Health Sciences.** Two hours.

Presents philosophy and history of public health and develops knowledge of the tools used in public health.

305—**Nursing to Promote and Maintain Health.** Four hours.

Two theory periods and two 2-hour laboratory periods per week.

Presents a definitive concept of nursing and emphasizes the nursing process in promoting high-level wellness in man.

306—**Introduction to Pharmacology.** Two hours.

Presents materials about drugs fundamental to nursing practice, emphasizing drug groups.

401—**Nursing in the Obstetrical Cycle.** Six hours.

Three theory periods and nine hours laboratory experience per week.

Focuses on the nursing process according to the needs specific to pregnancy and growth and developmental states. Uses a family community-centered approach.

402—**Obstetrical Science.** Two hours.

Uses a multi-disciplinary approach to focus on the bio-physio-psycho-social aspects of the obstetrical cycle.

403—**Nursing in Illness.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Focuses on the nursing process in a multi-disciplined approach during instances of acute patho-physiology.

404—**Nursing in Behavioral Disorders.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Uses an interdisciplinary approach in studying the nursing process in instances of behavioral aberrations.

405—**Nursing in Illness.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Focuses on the nursing process in a multi-disciplined approach during instances of acute and chronic patho-physiology.

406—**Community Centered Nursing.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Builds on and strengthens the nursing process by establishing priorities for implementing the concept of family-centered nursing for a generalized health program.

410—**Organization of Patient Care.** Twelve hours.

Prerequisite: NSG Courses 110-406.

A cooperative education program which provides students the opportunity to utilize and refine leadership skills in organizing nursing care for groups of patients.

NURSING

The learning experiences in the major are selected by the Nursing faculty and are designed to enable the student, upon graduation, to practice professional nursing in any setting in which organized nursing is performed. A variety of community health agencies have been designated to serve as the laboratory for learning nursing. All of the learning experiences are guided by the University faculty in Nursing.

COST

The general fees and expenses are the same for nursing students as they are for the other University students. Additional charges are made for items and activities peculiar to nursing, such as uniforms and transportation.

DIVISION OF CONTINUING EDUCATION

Paul C. Morgan, Dean

PURPOSES

The University of Southern Mississippi is cognizant of community and public needs. It accepts the challenge of assisting in these areas so far as possible within the scope of law and policy. It makes available its staff, its leadership, its facilities, and the products of its research in stimulating educational, cultural, governmental, and material growth. Such services are provided through consultations, conferences, institutes, workshops, resident centers, extension classes, correspondence study, and non-credit community service courses.

DEPARTMENT OF CORRESPONDENCE

For those who are unable to attend the University, the Department of Correspondence of the Division of Continuing Education offers at a nominal fee a number of courses which may be taken by correspondence for University credit. As many as forty-eight (48) quarter hours (no more than 12 in one academic area) of the total 192-hour baccalaureate degree requirements may be earned in such correspondence courses, subject to the provisions outlined in detail in the special issue of the University **Bulletin** devoted to the Division of Continuing Education.

The Department of Correspondence has a contract with the United States Armed Forces Institute of Madison, Wisconsin. Under the terms of this contract, the United States Government will pay the tuition charge of correspondence courses for members of the Armed Forces throughout the world. Additional information concerning correspondence courses for military personnel may be obtained from the 1970-71 **Bulletin** of the Department of Correspondence or from the 1970 edition of the United States Armed Forces Institute's publication entitled, "Correspondence Courses Offered by Colleges and Universities through the United States Armed Forces Institute."

The Correspondence Department has been approved by the Veterans Administration to offer correspondence courses to veterans under the terms of the Veterans Readjustment Benefits Act of 1966. Veterans enrolling in correspondence courses under the terms of this act will be reimbursed by the Veterans Administration for the total cost of the courses enrolled in, but will not receive subsistence.

For further information, contact:

Director, Correspondence Department
University of Southern Mississippi
Southern Station, Box 56
Hattiesburg, Mississippi 39401

DEPARTMENT OF COMMUNITY SERVICES

In 1962, the Division of Continuing Education officially added a Department of Adult Education to serve as an administrative unit through which the University could offer non-credit courses of a special interest nature to the general public. This department was the forerunner of the present Department of Community Services.

The activities of the Department of Community Services are being gradually expanded, and currently include courses designed to appeal to the professional, cultural, and recreational interests of the adult citizens of the University community. In planning non-credit courses, an attempt is made to prevent duplication of credit courses currently offered in the University curricula.

DEPARTMENT OF CONFERENCES, INSTITUTES, AND WORKSHOPS

Conferences, institutes, and workshops have been sponsored by the University of Southern Mississippi for many years. The coordination of these activities is a responsibility of the Division of Continuing Education. This Division stands ready at all times to assist educational, professional, business, and industrial groups in setting up conferences, institutes, or workshops either on or off the University campus.

Credit may be awarded for conference, institute, or workshop attendance provided prior approval is given by the Academic Council and provided qualified instructors, consultants, and lecturers are utilized. Normally, a maximum of one and one-half quarter hours credit per week may be earned in such activities.

Conveniently located and comfortable building facilities are available on the University campus as meeting places for groups of any size. Housing in University dormitories and meals in the University Commons, all at nominal rates, are also available to individuals participating in both credit and non-credit programs. Additional conveniences include the location of motels, restaurants, and shopping centers within walking distance of the campus.

DEPARTMENT OF EXTENSION AND RESIDENT CENTERS

The function of the Department of Extension and Resident Centers is to make available, as largely as possible, to every community and individual in the state the advantages of the general equipment, educational training, and specialized information represented on the campus of the University.

Arrangements can be made to offer by extension most of the undergraduate and some of the graduate courses included in the general catalog of the University. In-service programs, running over a period of six to nine months, and short term courses may also be organized through the Extension Department.

The University currently operates resident centers on Keesler Air Force Base, in the Jefferson Davis Junior College facilities at Handsboro, in the Meridian Junior College facilities, and in the Natchez-Adams County High School facilities. The academic programs of the Natchez and Keesler Air Force Base Centers include the first three years of college work, while the centers at Handsboro and Meridian offer only the third year of work in order that there may be no repetition of the courses offered by the local junior colleges.

Permanent extension centers are in operation in the Jackson County Junior College facilities at Gautier and in the Southwest Mississippi Junior College facilities at Summit.

Individuals residing in the Jackson area may enroll for credit with the University of Southern Mississippi at the Universities Center, currently located in the Research and Development Center. This is a cooperative center, offering the student a choice of credit with any of the four participating state institutions of higher learning.

Individuals interested in enrolling in classes at any of the resident or extension centers should contact either the center director or the Dean of Continuing Education.

ASSOCIATE DEGREE NURSING PROGRAM

The University of Southern Mississippi, through its Division of Continuing Education, offers at its Natchez Resident Center an Associate Degree Program in Nursing which prepares graduates to function with intellectual competency in administering direct nursing care in hospitals and similar institutions. Students who complete this program, based on the completion of seven quarters of work, are awarded an Associate of Science in Nursing Degree by the Uni-

versity and are eligible to write the Mississippi State Board Test Pool Examination for licensure as registered nurses.

The Associate Degree Nursing Program is accredited by the Board of Trustees of State Institutions of Higher Learning of the State of Mississippi which is the legal accrediting agency for nursing programs in the state. Agency membership is held in the Department of Associate Degree Nursing Programs of the National League for Nursing.

The purpose of the program is the preparation of a beginning practitioner of nursing, who possesses the scientific knowledge, understanding, and fundamental skills to administer direct nursing care and to supervise other personnel in the technical aspects of nursing care under professional guidance.

Applicants interested in the Associate Degree Nursing Program should write to:

Miss Flora Posey, Director
Box 794
Natchez, Mississippi 39120

The program requirements are:

1. Successful completion of the required program in effect at the time of graduation.
2. Completion of the program within three years of the enrollment date. Any nursing course taken more than three years prior to graduation must be re-evaluated for possible credit.
3. Completion of the courses in nursing in the recommended sequence.
4. A grade of C or better in each course in nursing for progression during the program and for recommendation for the licensure examination. A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi.
5. Development of qualities considered by the nursing faculty to be essential for the practice of nursing. A student failing to develop these qualities may be requested to withdraw from the nursing program.

THE ASSOCIATE OF SCIENCE IN NURSING CURRICULUM

First Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
Biology 228	4	Biology 229	4	Biology 220	4
English 100 or 111	4	English 112	4	English 113	4
Fundamentals of Science 104	4	Food & Nutrition 323	2	Nursing 103	6
Nursing 101	6	Nursing 102	4	Psychology 350	4
	18	Psychology 201	4		18
			18		

Summer Quarter	Hrs.
Nursing 104	8

Second Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
Public Address 101	4	Elective*	4	History 102	4
Nursing 201	10	History 101	4	Nursing 203	14
Sociology 103	4	Nursing 202	10		
	18		18		18

*To be chosen with approval of the student's adviser.
Note: The curriculum may vary according to circumstances and changes in nursing.

NURSING COURSES (NUR—095)

Natchez Resident Center

101—Nursing Science I. Six hours.
Four hours theory and six hours laboratory per week.

A basic course in nursing designed to familiarize the student with the early development of nursing and with concepts of physical and mental health, communications, and rehabilitation in relation to the health needs of the individual and the community.

102—**Nursing Science II.** Four hours.

Two hours theory and six hours laboratory per week.

A sequence of planned learning activities designed to develop knowledge, understanding, and skills which facilitate healthful adaptation to stress in founding or expanding a family which is undergoing the experience of pregnancy, labor, and delivery.

103—**Nursing Science III.** Six hours.

Three hours theory and nine hours laboratory per week.

Using a problem solving approach the students are introduced to concepts and skills necessary to facilitate adjustment when deviations in adaptation to stress occur as the result of interference with processes necessary for survival.

104—**Nursing Science IV.** Eight hours.

Eight hours of theory and twenty-four hours of laboratory for six weeks.

A one and one-half quarter course designed to acquaint the student with twentieth century trends in nursing and to assist them in developing nursing competencies necessary to aid in the habilitation of patients having homeostatic interference in the developmental process.

201—**Nursing Science V.** Ten hours.

Six hours of theory and twelve hours laboratory per week.

A continuation of Nursing 104.

202—**Nursing Science VI.** Ten hours.

Six hours theory and twelve hours laboratory per week.

A sequence of selected experiences planned to assist the student in developing substantive knowledge in nursing care problems that are the result of degenerative processes in the life cycle.

203—**Nursing Science VII.** Fourteen hours.

Six hours theory and eighteen hours laboratory per week.

A series of experiences designed to assist the student in acquiring an understanding of the principles involved in disaster nursing and in developing increased competency in administering comprehensive nursing care to groups of patients. Also includes an instructor-guided seminar in current trends in nursing.

ASSOCIATE OF SCIENCE DEGREE IN POLICE SCIENCE

The University of Southern Mississippi through its Division of Continuing Education offers, at its Natchez Resident Center, an Associate Degree program in Police Science. Students who complete this program are awarded Associate of Science degrees by the University. While the primary emphasis of the curriculum is police science, courses in English, government, law, psychology, and sociology are also included to give breadth and depth for more effective leadership.

The purpose of this program is to provide educational experiences which will enable the student upon graduation to serve effectively as a law enforcement officer with municipal, county, state, or federal law enforcement agencies.

Approximately thirty scholarships are available to applicants who are employed in some capacity by either federal, state, or local enforcement agencies. These scholarships will pay for tuition and fees only.

In order to be admitted into the program a student must be a high school graduate or must have successfully completed the G.E.D. test. It is not necessary for a student to be employed in law enforcement to be admitted into the program.

For further information, contact:
Director, Natchez Resident Center
Post Office Box 794
Natchez, Mississippi
(Phone 442-7326)

POLICE SCIENCE COURSES (PLS—097)

Natchez Resident Center

Freshman Year

100—**Introduction to Law Enforcement.** Four hours.

Introduction to the philosophical and historical background; agencies and processes; purposes and functions; administration and technical problems; career orientation.

101—**Police Administration.** Four hours.

Principles of organization and administration in law enforcement; functions and activities; planning and research; community relations; personnel and training; inspection and control; policy formulation.

102—**Police Operations.** Four hours.

Patrol operations. Purpose, methods, types, and means of police patrol. Analysis and distribution of the patrol forces, techniques of patrol and observation, field inquiry, principles of arrest, report writing, and principles of handling specific police complaints.

103—**Police Role in Crime and Delinquency.** Four hours.

The role of police in preventing juvenile delinquency and youth crime with emphasis on theory, administration, control, treatment, confinement, community resources, relations with the public, and juvenile court.

Sophomore Year

201—**Criminal Law.** Four hours.

Source and content of criminal law; elements of specific crimes; juvenile law and proceedings and criminal court proceedings as they affect the law enforcement officer. Arrest, searches, and seizure; rules of evidence; evaluation of evidence; case preparation and testimony as they affect the law enforcement officer.

202—**Criminal Investigation.** Four hours.

Criminal investigation procedures, including theory of investigation, case preparation, specific techniques for selected offenses, questioning of suspects and witnesses, and problems in criminal investigation.

203—**Survey of Traffic Control and Regulation Problems.** Four hours.

Survey of traffic control problems; accident causes, prevention and investigation; selective enforcement; traffic education; Mississippi traffic code.

204—**Basic Crime, Traffic, Identification, and Administrative Reporting Systems.** Four hours.

Basic crime, traffic, identification, and administrative reporting systems. Application of automated data processing methods to administrative problem solving in the field of law enforcement.

205—**Criminology.** Four hours.

Criminal guidance and procedure. Human adjustments and the resulting forms of behavior, the cause of prevention of extreme deviations in behavior. Emphasis on criminal behavior responses and the various methods of treatment and evaluation in terms of modern behavioral sciences.

206—**Criminal Guidance and Procedure.** Four hours.

Human adjustments and the resulting forms of behavior, the cause of prevention of extreme deviations in behavior. Emphasis on criminal evaluation in terms of modern behavioral sciences.

207—**Social Problems.** Four hours.

A study of representative contemporary problems with emphasis on causes which arise from cultural patterns and social change.

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